Matematický ústav SAV

Správa o činnosti organizácie SAV za rok 2020

Bratislava
január 2021

Obsah

1. Základné údaje o organizácii

1.1. Kontaktné údaje

Názov: Matematický ústav SAV
Riaditeľ: doc. RNDr. Karol Nemoga, CSc.
Zástupca riaditeľa: prof. RNDr. Anatolij Dvurečenskij, DrSc.
Vedecký tajomník: Mgr. Marek Hyčko, PhD.
Predseda vedeckej rady: Mgr. Anna Jenčová, DrSc.
Člen Snemu SAV: doc. RNDr. Karol Nemoga, CSc.
Adresa: Štefánikova 49, 814 73 Bratislava

http://www.mat.savba.sk

Tel.: 02/ 5751 0414
E-mail: mathinst@mat.savba.sk

Názvy a adresy organizačných zložiek a detašovaných pracovísk:

Organizačné zložky:

- **Oddelenie aplikovanej matematiky**
  Štefánikova 49, 81473 Bratislava

Detašované pracoviská:

- **Oddelenie informatiky Matematického ústavu SAV**
  Dúbravská cesta 9, 841 04 Bratislava
- **Detašované pracovisko Matematického ústavu SAV v Košiciach**
  Grešákova 6, 040 01 Košice
- **Inštitút matematiky a informatiky MÚ SAV v B. Bystrici**
  Ďumbierska 1, 974 11 Banská Bystrica

Vedúci organizačných zložiek a detašovaných pracovísk:

Organizačné zložky:

- **Oddelenie aplikovanej matematiky**
  RNDr. Tibor Žáčik, CSc.

Detašované pracoviská:

- **Oddelenie informatiky Matematického ústavu SAV**
  doc. Ing. Gabriel Okša, CSc.
- **Detašované pracovisko Matematického ústavu SAV v Košiciach**
  RNDr. Jozef Pócs, PhD.
- **Inštitút matematiky a informatiky MÚ SAV v B. Bystrici**
  prof. RNDr. Roman Nedela, DrSc.

Členovia Snemu SAV za organizačné zložky:

Typ organizácie: Rozpočtová od roku 1959

1.2. Údaje o zamestnancoch

Tabuľka 1a Počet a štruktúra zamestnancov

Štruktúra zamestnancov	K	K		K do 35 rokov		F	P	T	O
		M	Ž	M	Ž				
Celkový počet zamestnancov	75	46	29	6	1	66	43.41	29.74	1.43
Vedeckí pracovníci	55	42	13	4	1	48	29.59	29.13	0
Odborní pracovníci VŠ (výskumní a vývojoví zamestnanci[1])	3	2	1	2	0	3	0.59	0.26	0.83
Odborní pracovníci VŠ (ostatní zamestnanci[2])	4	1	3	0	0	2	3.19	0	0
Odborní pracovníci ÚS	9	0	9	0	0	9	7.79	0.35	0.6
Ostatní pracovníci	4	1	3	0	0	4	2.25	0	0

[1] *odmeňovaní podľa 553/2003 Z.z., príloha č. 5*
[2] *odmeňovaní podľa 553/2003 Z.z., príloha č. 3 a č. 4*

K – kmeňový stav zamestnancov v pracovnom pomere k 31.12.2020 (uvádzať zamestnancov v pracovnom pomere, vrátane riadnej materskej dovolenky, zamestnancov pôsobiacich v zahraničí, v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiacich v zastupiteľských zboroch)
F – fyzický stav zamestnancov k 31.12.2020 (bez riadnej materskej dovolenky, zamestnancov pôsobiacich v zahraničí v štátnych funkciách, členov Predsedníctva SAV, zamestnancov pôsobiacich v zastupiteľských zboroch)
P – celoročný priemerný prepočítaný počet zamestnancov
T – celoročný priemerný prepočítaný počet riešiteľov projektov
O – celoročný priemerný prepočítaný počet obslužného personálu podieľajúceho sa na riešení projektov (technikov, laborantov, projektových manažérov a pod.) mimo zamestnancov v administratíve, správe a údržbe budov, upratovačiek, vodičov a pod.
M, Ž – muži, ženy

Tabuľka 1b Štruktúra vedeckých pracovníkov (kmeňový stav k 31.12.2020)

Rodová skladba	Pracovníci s hodnosťou				Vedeckí pracovníci v stupňoch		
	DrSc.	CSc./PhD.	prof.	doc.	I.	II.a.	II.b.
Muži	9	33	8	15	9	13	20
Ženy	3	11	0	2	3	3	7

Tabuľka 1c Štruktúra pracovníkov podľa veku a rodu, ktorí sú riešiteľmi projektov

Veková štruktúra (roky)	< 31		31-35		36-40		41-45		46-50		51-55		56-60		61-65		> 65	
	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B	A	B
Muži	1	1.0	2	1.0	2	1.2	6	3.5	4	2.4	3	2.1	4	2.0	4	3.0	9	6.3
Ženy	1	0.1	0	0.0	2	1.8	4	2.6	2	1.0	1	1.0	1	1.0	1	1.0	2	1.1

A - Prepočet bez zohľadnenia úväzkov zamestnancov
B - Prepočet so zohľadnením úväzkov zamestnancov

Tabuľka 1d Priemerný vek zamestnancov organizácie k 31.12.2020

	Kmeňoví zamestnanci	Vedeckí pracovníci	Riešitelia projektov
Muži	52.8	53.5	54.7
Ženy	51.8	50.5	49.9
Spolu	52.4	52.8	53.3

1.3. Iné dôležité informácie k základným údajom o organizácii a zmeny za posledné obdobie (v zameraní, v organizačnej štruktúre a pod.)

Na základe vnútorného akademického hodnotenia ústavov za r. 2019 Matematický ústav SAV patril aj v r. 2020 medzi najlepšie hodnotené ústavy v SAV vďaka výbornej publikačnej aktivite MÚ SAV.

Na ústave prebehli úspešne koncom augusta 2020 dve obhajoby dizertačných prác Mgr. Dušany Štiberovej, PhD. a Ing. Ivany Krajňákovej, PhD.

Kvôli epidémii Covid 19 sme rámci Týždňa vedy nemali 12. ročník Dňa otvorených dverí. Namiesto toho sme inštalovali v priestore MÚ SAV v Bratislave galériu portrétov slovenských a českých matematikov, ktoré nakreslila naša dnes už nebohá kolegyňa Dr. Kvetka Dvořáková. Portréty možno tiež vidieť na adrese:
https://www.mat.savba.sk/galeria_matematikov-KD.html.

V r. 2016 Mgr. Andrea Zemánková, PhD., ktorá získala prestížny štipendijný program Štipendium SAV pre mladých odborníkov, bola na predĺženej rodičovskej dovolenke, z ktorej sa vrátila v závere r. 2019 a v r. 2020 úspešne v ňom pokračovala. Toto štipendium získali vtedy len traja pracovníci SAV. Nedávno úspešne predstavila najnovšie výsledky na predsedníctve SAV.

V r. 2020 sme pokračovali, hoci v obmedzenej miere kvôli epidemickej situácii v praxi pre študentov matematiky vyšších ročníkov, v rámci ktorej študenti pod vedením renomovaných odborníkov riešia na ústave zaujímavé úlohy, čím sa jednak oboznamujú s ústavom, jeho úlohami a ústav má nádej medzi nimi objaviť budúcich doktorandov ústavu. Za obmedzených podmienok pôsobili dvaja študenti na ústave, jeden v Bratislave a druhý v Košiciach.

Časopisu Mathematica Slovaca sa zvýšil impaktový faktor na IF(2019)=0,654, päťročný impakt faktor 0,545 a je v 3. kvartile v sekcii matematika. V databáze Scopus má časopis zvýšený

SJR=0,397 (Scimago Journal Ranking), Cite Score = 0.9 a je v 3. kvartile. Počet zaslaných článkov v r. 2020 bol okolo 550.

Od r. 2011 je časopis Tatra Mt. Math. Publ. indexovaný v databáze SCOPUS. Jeho SJR=0,214 (Scimago Journal Ranking), Cite Score = 0.7 a je v 3. kvartile**.**

Na jeseň 2020 prof. RNDr. Michal Fečkan, DrSc., ktorý je aj našim pracovníkom, sa stal finalistom súťaže ESET Science Award.

V priebehu roka prebiehala kontrola riešenia a výsledkov dvoch projektov OP ŠF: 313011T683 - Matematická podpora kvantových technológií, 313011T634 - Výskum v oblasti analýzy heterogénnych dát za účelom predikcie zmeny zdravotného stavu chronických pacientov. Granty boli schválené koncom r. 2019. Vzhľadom na úspešne prebiehajúcu kontrolu a preverovanie splnenia cieľov boli ústavu refundované už čiastočne prostriedky vynaložené na riešenie vo výške uvedenej v tabuľkách o hospodárení organizácie.

Bohužiaľ, od začiatku marca 2020 celá spoločnosť bola zasiahnutá epidémiou Covid 19, teda aj Matematický ústav SAV, a museli sa rešpektovať protiepidemiologické opatrenia. Preto sa nekonali konferencie, semináre, obhajoby prezenčnou formou, ale sa prešlo do on-line priestoru, mnohí pracovníci podľa potreby využíval tzv. home office.

2. Vedecká činnosť

2.1. Domáce projekty

Tabuľka 2a Domáce projekty riešené v roku 2020

ŠTRUKTÚRA PROJEKTOV	Počet		Čerpané financie (€)					
			A				B	
	A	B	Zo zdrojov SAV		Z iných zdrojov		Zo zdrojov SAV	Z iných zdrojov
			Spolu	Pre organizáciu	Spolu	Pre organizáciu		
1. Projekty VEGA	10	3	57 827	57 827	-	-	4 062	-
2. Projekty APVV	1	7	-	-	38 059	31 907	-	26 806
3. Projekty OP ŠF	0	0	-	-	-	-	-	-
4. Projekty SASPRO	0	0	-	-	-	-	-	-
5. Iné projekty (FM EHP, ŠPVV, Vedecko-technické projekty, ESF, na objednávku rezortov a pod.)	1	0	-	-	-	-	-	-

A - organizácia je nositeľom projektu
B - organizácia sa zmluvne podieľa na riešení projektu

Tabuľka 2b Domáce projekty podané v roku 2020

Štruktúra projektov	Miesto podania	Organizácia je nositeľom projektu	Organizácia sa zmluvne podieľa na riešení projektu
1. Účasť na nových výzvach APVV r. 2020	-	6	2
2. Projekty výziev OP ŠF podané r. 2020	Bratislava	-	-
	Regióny	2	-

2.2. Medzinárodné projekty

2.2.1. Medzinárodné projekty riešené v roku 2020

Tabuľka 2c Medzinárodné projekty riešené v roku 2020

ŠTRUKTÚRA PROJEKTOV	Počet		Čerpané financie (€)					
			A				B	
	A	B	Zo zdrojov SAV		Z iných zdrojov		Zo zdrojov SAV	Z iných zdrojov
			Spolu	Pre organizáciu	Spolu	Pre organizáciu		
1. Projekty 7. RP EÚ a Horizont 2020	0	0	-	-	-	-	-	-
2. Projekty ERA.NET, ESA, JRP	0	1	-	-	-	-	-	20 000
3. Projekty COST	0	0	-	-	-	-	-	-
4. Projekty EUREKA, NATO, UNESCO, CERN, IAEA, IVF, ERDF a iné	0	0	-	-	-	-	-	-
5. Projekty v rámci medzivládnych dohôd	0	0	-	-	-	-	-	-
6. Bilaterálne projekty MAD	0	0	-	-	-	-	-	-
7. Bilaterálne projekty ostatné	0	0	-	-	-	-	-	-
8. Podpora MVTS z národných zdrojov okrem SAV (APVV a iné)	0	0	-	-	-	-	-	-
9. Iné projekty	0	0	-	-	-	-	-	-

A - organizácia je nositeľom projektu
B - organizácia sa zmluvne podieľa na riešení projektu

2.2.2. Medzinárodné projekty Horizont 2020 podané v roku 2020

Tabuľka 2d Počet projektov Horizont 2020 v roku 2020

	A	B
Počet podaných projektov Horizont 2020		

A - organizácia je nositeľom projektu
B - organizácia sa zmluvne podieľa na riešení projektu

Údaje k domácim a medzinárodným projektom sú uvedené v Prílohe B.

2.2.3. Zámery na čerpanie štrukturálnych fondov EÚ v ďalších výzvach

NFP313010ATV5 - Modelovanie šírenia COVID-19 a iných infekčných respiračných ochorení pri aplikovaní rôznych epidemiologických opatrení v podmienkach Slovenska.

Hlavný riešiteľ Matematický ústav SAV, spolu s organizáciami
- Fyzikálny ústav SAV,
- Geografický ústav SAV,
- Sociologický ústav SAV.

NFP313010ASS9 - Využitie konceptu digitálneho dvojčaťa v manažmente zdravotného stavu rizikových tehotných žien za účelom prevencie nákazy koronavírusom SARS-CoV-2

Hlavný riešiteľ Matematický ústav SAV, spolu s organizáciami
- Centrum experimentálnej medicíny SAV,
- Slovenská technická univerzita a
- Trnavská univerzita v Trnave.

2.3. Najvýznamnejšie výsledky vedeckej práce (maximálne 1000 znakov + 1 obrázok; bibliografický údaj uvádzajte rovnako ako v zozname publikačnej činnosti, vrátane IF)

2.3.1. Základný výskum

Charakterizácia n-uninoriem so spojitými pridruženými funkciami a zavedenie z-ordinálneho súčtu.

Kľúčovým výsledkom nášho výskumu bolo zavedenie konštrukcie pomocou z-ordinálnych súčtov pre čiastočne usporiadanú množinu pologrúp, ktorá rozširuje Cliffordov ordinálny súčet lineárne usporiadanej množiny pologrúp. Pomocou tejto konštrukcie sa nám podarilo kompletne charakterizovať n-uninormy so spojitými pridruženými funkciami. V postupných krokoch sme ukázali súvis takýto n-uninoriem (najskôr pre idempotentné a potom všeobecne) s čiastočnými usporiadaniami na jednotkovom intervale, ktoré majú štruktúru (binárneho) stromu. Pomocou tohto usporiadania sme potom ukázali, že každá n-uninorma so spojitými pridruženými funkciami sa dá vyjadriť ako z-ordinálny súčet spočítateľného počtu pologrúp odvodených od spojitých Archimedovských a idempotentých t-noriem, t-konoriem a uninoriem, vzhľadom na množinu A, ktorá zodpovedá deliacim bodom $z_1,\ldots,z_{n-1}$. Tiež sme ukázali, že množina bodov nespojitosti takejto n-uninormy je pokrytá grafmi jej charakterizujúcich multi-funkcií a skúmali sme ich ďalšie vlastnosti.

Autor: A. Zemánková (MÚ SAV)**,**
Projekty: VEGA 1/0006/19, APVV-16-0073 a Program Štipendium SAV.
Referencie:

1. A. Mesiarová-Zemánková, *The n-uninorms with continuous underlying t-norms and t-conorms*, International Journal of General Systems. doi: 10.1080/03081079.2020.1863395
2. A. Mesiarová-Zemánková, *Characterization of idempotent n-uninorms*, Fuzzy Sets and Systems. doi: 10.1016/j.fss.2020.12.019
3. A. Mesiarová-Zemánková, *Characterizing functions of n-uninorms with continuous underlying functions*, IEEE Transactions on Fuzzy Systems, zaslané.
4. A. Mesiarová-Zemánková, *Characterization of n-uninorms with continuous underlying functions via z-ordinal sum construction*, International Journal of Approximate Reasoning, zaslané.

—

Characterization of n-uninorms with continuous underlying functions and introduction of z-ordinal sum.

The most important result was the introduction of the z-ordinal sum construction based on a partially ordered set of semigroups, which extends the Clifford's ordinal sum based on a linearly ordered set of semigroups. Using this construction we were able to completely characterize n-uninorms with continuous underlying functions. In successive steps we have shown the connection between these n-uninorms (first for idempotent and then also in general) and partial orders on the unit interval, which have the structure of a (binary) tree. Using this partial order we have shown that each n-uninorm with continuous underlying functions can be expressed as a z-ordinal sum of a countable number of semigroups related to continuous Archimedean and idempotent t-norms, t-conorms and uninorms, with respect to the set A, which corresponds to the division points $z_1,\ldots,z_{n-1}$. We have also shown that the set of points of discontinuity of such an n-uninorm is covered by graphs of its characterizing set-valued functions and we have discussed their properties.

Author: A. Zemánková (MÚ SAV)**,**
Projects: VEGA 1/0006/19, APVV-16-0073 and Program Fellowship of SAS.
References:

1. A. Mesiarová-Zemánková, *The n-uninorms with continuous underlying t-norms and t-conorms*, International Journal of General Systems. doi: 10.1080/03081079.2020.1863395
2. A. Mesiarová-Zemánková, *Characterization of idempotent n-uninorms*, Fuzzy Sets and Systems. doi: 10.1016/j.fss.2020.12.019
3. A. Mesiarová-Zemánková, *Characterizing functions of n-uninorms with continuous underlying functions*, IEEE Transactions on Fuzzy Systems, submitted.
4. A. Mesiarová-Zemánková, *Characterization of n-uninorms with continuous underlying functions via z-ordinal sum construction*, International Journal of Approximate Reasoning, submitted.

Kedy je priestor minimálnych usco/cusco zobrazení topologický vektorový priestor.

Definovali sme vektorovú štruktúru na priestore minimálnych usco (resp. cusco) zobrazení z Bairovho priestoru X do Stegallovho lokálne konvexného priestoru Y. Dokázali sme, že pre bornológiu B na X s otvorenou bázou priestor ohraničených minimálnych usco (resp. cusco) zobrazení vybavených topológiou rovnomernej konvergencie na B je lokálne konvexný topologický

vektorový priestor. Keď X je lokálne kompaktný, potom priestor minimálnych usco (resp. cusco) zobrazení vybavených topológiou rovnomernej konvergencie na kompaktoch je lokálne konvexný topologický vektorový priestor.

Autori: Ľ. Holá, **B. Novotný**
Projekt: VEGA 2/0006/16
Referencia: Ľ. Holá, B. Novotný, *When is the space of minimal usco/cusco maps a topological vector space*, J. Math. Anal. Appl. **489** (2020), artno. 124125.

—

When is the space of minimal usco/cusco maps a topological vector space

We defined a vector structure on the space of minimal usco (resp. cusco) maps from a Baire space X to a Stegall locally convex space Y. We proved that for a bornology B on X with an open base the space of bounded minimal usco (resp. cusco) maps equipped with the topology of uniform convergence on B is a locally convex topological vector space. If X is locally compact, then the space of minimal usco (resp. cusco) maps from X to Y equipped with the topology of uniform convergence on compacta is a locally convex topological vector space.

Authors: Ľ. Holá, **B. Novotný**
Project: VEGA 2/0006/16
Reference: Ľ. Holá, B. Novotný, *When is the space of minimal usco/cusco maps a topological vector space*, J. Math. Anal. Appl. **489** (2020), artno. 124125

Deliteľné rozšírenie pravdepodobnosti

Načrtli sme prechod od klasického pravdepodobnostného priestoru (Ω, A, p) k jeho „deliteľnému“ rozšíreniu, kde σ-algebra A boolovských náhodných udalostí je rozšírená na triedu M(A) všetkých merateľných funkcií do intervalu [0,1] a σ-aditívna pravdepodobnostná miera p na A je rozšírená na pravdepodobnostný integrál ∫(.)dp na M(A). Výsledné rozšírenie priestoru (Ω, A, p) môže byť popísané ako epireflexia prenášajúca A na M(A).

Prechod od A k M(A) pripomína prechod od celých čísel k reálnymi číslam a je charakterizované rozšírením dvoj-hodnotovej boolovskej logiky na A na mnohohodnotovú Lukasiewiczovu logiku definovanú na M(A) a každé pozitívne prirodzené číslo n sa rozšíri na u/n, čo je prvkom M(A) a platí ∫(u/n)dp = (1/n) ∫u dp. Z kategoriálneho pohľadu, objekty z M(A), morfizmy sú pozorovateľné z jedného objektu na druhý a slúžia ako kanál, v ktorom stochastická informácia sa prenáša.

Študovali sa združené náhodné experimenty a asymetrická stochastická závislosť/nezávislosť jednej zložky od druhej. Predstavili sme kanonickú konštrukciu podmienenej pravdepodobnosť, takže pozorovateľné môžu byť uvažované ako podmienené pravdepodobnosti. V práci boli predstavené rôzne zovšeobecnenia klasickej teórie pravdepodobnosti, ale hlavnou myšlienkou bolo zdôrazniť kategoriálny aspekt prechodu od klasickej pravdepodobnosti k deliteľnej pravdepodobnosti.

Autori: R. Frič, **P. Eliaš**, **M. Papčo**
Projekt: APVV-16-0073
Referencia: R. Frič, P. Eliaš, M. Papčo, *Divisible extension of probability*, Math. Slovaca **70** (2020), 1445–1456. doi: 10.1515/ms-2017-0441

—

Divisible extension of probability

We outline the transition from classical probability space (Ω, A, p) to its "divisible" extension, where the σ -field A of Boolean random events is extended to the class M(A) of all measurable functions into [0,1] and the σ-additive probability measure p on A is extended to the probability integral ∫(.)dp on M(A). The resulting extension of (Ω, A, p) can be described as an epireflection reflecting A to M(A) and p to ∫(.)dp

The transition from A to M(A), resembling the transition from whole numbers to real numbers, is characterized by the extension of two-valued Boolean logic on A to multivalued Lukasiewicz logic on M(A) and the divisibility of random events: for each random event u is an element of M(A) and each positive natural number n we have u/n is an element of M(A) and ∫(u/n)dp = (1/n) ∫u dp. From the viewpoint of category theory, objects are of the form M(A), morphisms are observables from one object into another one and serve as channels through which stochastic information is conveyed.

We study joint random experiments and asymmetrical stochastic dependence/independence of one constituent experiment on the other one. We present a canonical construction of conditional probability so that observables can be viewed as conditional probabilities.

In the present paper we utilize various published results related to "quantum and fuzzy" generalizations of the classical theory, but our ultimate goal is to stress mathematical (categorical) aspects of the transition from classical to what we call divisible probability.

Authors: R. Frič, **P. Eliaš**, **M. Papčo**
Project: APVV-16-0073
Reference: *Divisible extension of probability*, Math. Slovaca **70** (2020), 1445–1456. doi: 10.1515/ms-2017-0441

2.3.2. Aplikačný typ

Pokročilé štatistické a výpočtové metódy pre meranie a metrológiu

Bola navrhnutá neparametrická metóda a algoritmus na odhad rozdelenia pravdepodobnosti stochastického súčtu nezávislých identicky rozdelených spojitých náhodných premenných. Metóda je založená na kombinovaní a číselnom invertovaní asociovanej empirickej charakteristickej funkcie (CF) odvodenej z pozorovaných údajov. Motivujú to klasické problémy v oblasti riadenia finančných rizík, poistno-matematickej vedy a hydrologického modelovania. Tento prístup je možné prirodzene zovšeobecniť na zložitejšie semiparametrické modelovanie a odhadovanie prístupov, napríklad začlenením zovšeobecnenej Paretovej distribúcie vhodnej na modelovanie ťažkých chvostov uvažovaných spojitých náhodných premenných alebo uvažovaním váženej zmesi parametrických CF (ak začleníme poznatky na základe pozorovaných alebo historických údajov). Navrhovaný numerický prístup je založený na kombinácii Gil-Pelaezových inverzných vzorcov na odvodenie rozdelenia pravdepodobnosti (hustoty, distribučnej funkcie) z pridruženej CF pomocou lichobežníkového kvadratúrneho pravidla použitého na požadovanú numerickú integráciu. Predložená neparametrická metóda odhadu súvisí s bootstrapovým prístupom k odhadu, a teda zdieľa podobné vlastnosti. Aplikovateľnosť navrhovaného postupu odhadu je ilustrovaná na odhade agregovaného rozdelenia strát zo známych dánskych údajov o požiarnych udalostiach.

Autori: V. Witkovský (ÚM SAV), **G. Wimmer** (MÚ SAV), T. Duby (OAA Computing Ltd, Bicester, UK)
Projekty: APVV-15-0295, VEGA 2/0054/18
Referencia: V. Witkovský, G. Wimmer, T. Duby, *Estimating the distribution of a stochastic sum of IID random variables*, Mathematica Slovaca, **70** (2020), 759–774.

—

Advanced statistical and computational methods for measurement and metrology

We suggested a non-parametric method and algorithm for estimating the probability distribution of a stochastic sum of independent identically distributed continuous random variables, based on combining and numerically inverting the associated empirical characteristic function (CF) derived from the observed data. This is motivated by classical problems in financial risk management, actuarial science, and hydrological modelling. This approach can be naturally generalized to more complex semi-parametric modelling and estimating approaches, e.g., by incorporating the generalized Pareto distribution fit for modelling heavy tails of the considered continuous random variables, or by considering the weighted mixture of the parametric CFs (used to incorporate the expert knowledge) and the empirical CFs (used to incorporate the knowledge based on the observed or historical data). The suggested numerical approach is based on combination of the Gil-Pelaez inversion formulae for deriving the probability distribution (PDF and CDF) from the associated CF and the trapezoidal quadrature rule used for the required numerical integration. The presented non-parametric estimation method is related to the bootstrap estimation approach, and thus, it shares similar properties. Applicability of the proposed estimation procedure is illustrated by estimating the aggregate loss distribution from the well-known Danish fire losses data.

Authors: V. Witkovský (IMS SAS), **G. Wimmer** (MI SAS), T. Duby (OAA Computing Ltd, Bicester, UK)
Projects: APVV-15-0295, VEGA 2/0054/18
Reference: V. Witkovský, G. Wimmer, T. Duby, *Estimating the distribution of a stochastic sum of IID random variables*, Mathematica Slovaca, **70** (2020), 759–774.

Analýza a modelovanie šírenia COVID-19

Vzhľadom na epidemiologickú situáciu v roku 2020 spôsobenú vírusom SARS-CoV2 sme pracovali na viacerých matematických modeloch vývoja tejto pandémie.

Prvý model je určený na sledovanie šírenia epidemiologických vĺn medzi rôznymi geografickými regiónmi (krajinami). Situácia v regióne a transport medzi regiónmi sú riadené lokálnymi epidemiologickými opatreniami. Tento model môže byť použitý na analýzu a návrch epidemiologických semaforov.

Druhý model je založený na agentovom prístupe a popisuje šírenie ochorenia COVID-19 v rámci jedného regiónu (napr. okres, kraj, celé územie Slovenska). Model zohľadňuje RT-PCR testovanie, dohľadávanie infikovaných a hromadné celoplošné testovanie pomocou rýchlych testov (napr. antigénových testov). Model je schopný rekonštruovať pozorovaný denný prírastok infikovaných, čo umožňuje kalibráciu modelu na základe dostupných informácií o prebiehajúcej pandémii. Okrem toho model umožňuje aj analýzu rôznych stratégií celoplošného testovania.

Autori: I. Mračka, **T. Žáčik**, **J. Bogár**, **R. Hajossy**, **I. Odrobina**, **M. Hyčko** (MÚ SAV) + multiodborové konzultácie s pracovníkmi iných ústavov SAV (GEO SAV, FÚ SAV, SÚ SAV, VÚ BMC SAV).
Projekt: Ústavný projekt.

—

Analysis and modelling of COVID-19 spreading

Due to the SARS-CoV2 epidemiological situation in 2020, we worked on several mathematical models of pandemic development.

The first model is designed to monitor the spread of epidemiological waves between different geographical regions (countries). The situation in the region and the transport between regions are governed by local epidemiological measures. The model can be used to analyze and design epidemiological semaphores.

The second model is based on an agent approach and describes the spread of COVID-19 within one region (e.g., district, province, the whole territory of Slovakia). The model takes into account RT-PCR testing, screening of infected and mass area-wide testing using rapid tests (e.g.,antigen tests). The model is able to reconstruct the observed daily increment of infected, which allows the calibration of the model parameters. In addition, the model allows the analysis of various nationwide testing strategies.

Authors: I. Mračka, **T. Žáčik**, **J. Bogár**, **R. Hajossy**, **I. Odrobina**, **M. Hyčko** (MÚ SAV) + inter-institutional consultations with other colleagues of SAS (GEO SAV, FÚ SAV, SÚ SAV, VÚ BMC SAV).
Project: Institutional project.

2.3.3. Medzinárodné vedecké projekty

Rozsahy akceptačných stavových zložitostí jazykov, ktoré sú výsledkom niektorých operácií

Skúmame akceptačnú stavovú zložitosť, definovanú ako najmenší počet akceptačných stavov deterministického konečného automatu, pre jazyky, ktoré sú výsledkom unárnych a binárnych operácií na jazykoch s akceptačnou stavovou zložitosťou danou ako parameter. Je to pokračovanie práce [J. Dassow: On the number of accepting states of finite automata, J. Autom., Lang. Comb., 21, 2016]. Vyriešime väčšinu otvorených problémov tam spomenutých. Konkrétne uvažujeme operácie prieniku, symetrického rozdielu, pravého a ľavého kvocientu, zrkadlového obrazu a permutácie, kde dosiahneme presné rozsahy akceptačných stavových zložitostí. Taktiež uvažujeme symetrický rozdiel na unárnych konečných jazykoch, kde dostaneme nesúvislý rozsah akceptačných stavových zložitostí.

Autori: M. Holzer (Universität Giessen), **M. Hospodár** (MÚ SAV)
Projekty: VEGA 2/0132/19, APVV-15-0091, DAAD krátkodobý grant ID 57314022
Referencia: M. Holzer, M. Hospodár, *The ranges of accepting state complexities of languages resulting from some operations*, International Journal of Foundations of Computer Science, **31** no. 8 (2020), 1159–1177. doi: 10.1142/S0129054120420083

—

The ranges of accepting state complexities of languages resulting from some operators

We examine the accepting state complexity, i.e., the minimal number of accepting states of deterministic finite automata for languages resulting from unary and binary operations on languages with accepting state complexity given as a parameter. This is a continuation of the work of [J. Dassow: On the number of accepting states of finite automata, J. Autom., Lang. Comb., 21, 2016]. We solve most of the open problems mentioned thereof. In particular, we consider the operations of intersection, symmetric difference, right and left quotients, reversal, and permutation, where we obtain precise ranges of accepting state complexities. We also consider symmetric difference on unary finite languages where we obtain a non-contiguous range of accepting state complexities.

Authors: M. Holzer (Universität Giessen), **M. Hospodár** (MI SAS)
Projects: VEGA 2/0132/19, APVV-15-0091, DAAD short-term grant ID 57314022
Reference: M. Holzer, M. Hospodár, *The ranges of accepting state complexities of languages resulting from some operations*, International Journal of Foundations of Computer Science, **31** no. 8 (2020), 1159–1177. doi: 10.1142/S0129054120420083

Periodická štruktúra kvantových kanálov

Kvantové kanály sú základnými objektmi kvantovej teórie, kde sa využívajú na popis vývoja otvoreného kvantového systému v diskrétnych časových modeloch. Štruktúra kvantových kanálov na konečnorozmerných systémoch je už celkom dobre známa. V článku sme skúmali nekonečnorozmerný prípad za predpokladu existencie verného invariantného stavu, kedy je možné systém rozložiť na „stabilnú“ a „reverzibilnú“ časť vzhľadom na vývoj (rozklad Jacobsowho-DeLeeuwowho-Glicksbergovho typu). Ukázali sme, že reverzibilná časť sa zhoduje s najväčšou podalgebrou na ktorej sa kanál zužuje na endomorfizmus. V dôsledku toho existuje normálna podmienená stredná hodnota na túto podalgebru. Tento výsledok sme použili na presný popis štruktúry kanála, jeho pevných bodov a invariantných stavov, ako aj periodické vlastnosti indukovanej diskrétnej dynamickej semigrupy. Podobné výsledky platia aj v prípade dynamických semigrúp so spojitým časom.

Autori: A. Jenčová (MÚ SAV), R. Carbone (Univ. Di Pavia, Italy)
Projekty: VEGA 2/0069/16, APVV-16-0073
Referencia: R. Carbone, A. Jenčová, *On period, cycles and fixed points of a quantum channel*, Annales Henri Poincaré **21** (2020), 155–188.

—

The periodic structure of a quantum channel

Quantum channels are fundamental objects in quantum theory. They are widely used to represent the evolution of an open quantum system in discrete time models. In finite dimensions, the structure of quantum channels is already quite well understood. We study the infinite dimensional case under the assumption of existence of a faithful invariant state, when the system can be decomposed into a “stable” and a “reversible” part with respect to the evolution (the Jacobs-DeLeeuw-Glicksberg type decomposition). We show that the reversible part coincides with the largest subalgebra where the channel acts as an endomorphism. Consequently, this subalgebra is the range of a normal conditional expectation. Using this result, we give a precise description of the structure of the channel, its fixed points and invariant states, as well as the periodic behaviour of the induced discrete time semigroup. Similar results hold also in the continuous time case.

Authors: A. Jenčová (MÚ SAV), R. Carbone (Univ. Di Pavia, Italy)
Projects: VEGA 2/0069/16, APVV-16-0073
Reference: R. Carbone, A. Jenčová, *On period, cycles and fixed points of a quantum channel*, Annales Henri Poincaré **21** (2020), 155–188.

On the Poincaré-Adronov-Melnikov method for the existence of grazing impact periodic solutions of differential equations

Perturbačne metódy sú dobre zavedenými spôsobmi na získanie existencie periodických riešení v hladkých diferenciálnych rovniciach. Pri štúdiu nehladkých sústav diferenciálnych rovníc však treba čeliť inými druhmi periodických riešení. Predpokladajme, že diferenciálna rovnica nie je hladká pozdĺž určitého povrchu S. Zaujímavá situácia nastane, keď dané zobrazenie M pôsobí na S takým spôsobom, že keď riešenie diferenciálnej rovnice zasiahne S, potom riešenie pokračuje okamžite v inom bode na S danom M. Riešenia vyhovujúce tejto vlastnosti sa nazývajú nárazové riešenia. Potom je zaujímavé študovať existenciu riešení dotýkajúcich sa S. Tieto riešenia sa nazývajú dotýkajúce nárazové riešenia. Tento druh riešení možno považovať za riešenia určujúce hranicu medzi riešeniami, ktoré zasiahnu S, a tými, ktoré S nezasiahnu vôbec. Tento článok študuje zachovanie periodických dotýkajúcich nárazových riešení pre periodicky perturbované diferenciálne rovnice s nárazmi. Uplatňuje sa prístup Poincaré-Adronov-Melnikovovej metódy. Je založený na zavedení a štúdiu vhodného nárazového Poincarého zobrazenia. Typickým príkladom nehladkého modelu s nárazmi je skákajúca lopta alebo kmitajúce sa kyvadlo vo zvone.

Autori: F. Battelli (Univ. Ancona, Italy), **M. Fečkan** (MÚ SAV)
Projekt: VEGA 2/0153/16
Referencia: F. Battelli, M. Fečkan: *On the Poincaré-Adronov-Melnikov method for the existence of grazing impact periodic solutions of differential equations*, Journal of Differential Equations **268** (2020), 3725–3748.

—

On the Poincaré-Adronov-Melnikov method for the existence of grazing impact periodic solutions of differential equations

Perturbative methods are well established ways to obtain existence of periodic solutions in smooth differential equations. In the study of non-smooth systems of differential equations, however, one has to face with different kinds of periodic solutions. Suppose that the differential equation is non-smooth along a certain surface S. Interesting situation arises when a map M acts on S in such a way that when a solution of the differential equation hits S, then the solution continues immediately at another point on S given by M. Solutions satisfying this property are called impact solutions. Then it is interesting to study the existence of solutions touching S. These solutions are called as grazing impact solutions. Such kind of solutions may be seen as solutions determining a border between solutions hitting S and those that do not hit S at all. This paper studies the persistence of periodic grazing impact solutions for periodically perturbed differential equations with impacts. An approach of the Poincaré-Adronov-Melnikov method is applied. It is based on introducing and studying an appropriate impact Poincaré mapping. A typical example of impact non-smooth model is a bouncing ball or swinging pendulum in bell.

Autori: F. Battelli (Univ. Ancona, Italy), **M. Fečkan** (MI SAS)
Projekt: VEGA 2/0153/16
Referencia: F. Battelli, M. Fečkan: *On the Poincaré-Adronov-Melnikov method for the existence of grazing impact periodic solutions of differential equations*, Journal of Differential Equations **268** (2020), 3725–3748.

2.4. Publikačná činnosť (zoznam je uvedený v prílohe C)

Tabuľka 2e Štatistika vybraných kategórií publikácií

PUBLIKAČNÁ A EDIČNÁ ČINNOSŤ	Počet v r. 2020/ doplnky z r. 2019
1. Vedecké monografie a monografické štúdie vydané v domácich vydavateľstvách (AAB, ABB)	**0 / 0**
2. Vedecké monografie a monografické štúdie vydané v zahraničných vydavateľstvách (AAA, ABA)	**0 / 0**
3. Odborné monografie, vysokoškolské učebnice a učebné texty vydané v domácich vydavateľstvách (BAB, ACB, CAB)	**0 / 0**
4. Odborné monografie a vysokoškolské učebnice a učebné texty vydané v zahraničných vydavateľstvách (BAA, ACA, CAA)	**0 / 0**
5. Kapitoly vo vedeckých monografiách vydaných v domácich vydavateľstvách (ABD)	**0 / 0**
6. Kapitoly vo vedeckých monografiách vydaných v zahraničných vydavateľstvách (ABC)	**0 / 0**
7. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v domácich vydavateľstvách (BBB, ACD)	**0 / 0**
8. Kapitoly v odborných monografiách, vysokoškolských učebniciach a učebných textoch vydaných v zahraničných vydavateľstvách (BBA, ACC)	**0 / 0**
9. Vedecké práce registrované v Current Contents Connect (ADCA, ADCB, ADDA, ADDB)	**42 / 1**
10. Vedecké práce registrované vo Web of Science Core Collection alebo Scopus (ADMA, ADMB, ADNA, ADNB)	**23 / 3**
11. Vedecké práce v ostatných domácich časopisoch (ADFA, ADFB)	**1 / 0**
12. Vedecké práce v ostatných zahraničných časopisoch (ADEA, ADEB)	**6 / 2**
13. Vedecké práce v domácich recenzovaných zborníkoch (AEDA)	**0 / 0**
14. Vedecké práce v zahraničných recenzovaných zborníkoch (AECA)	**3 / 0**
15. Publikované príspevky na domácich vedeckých konferenciách (AFB, AFD)	**0 / 0**
16. Publikované príspevky na zahraničných vedeckých konferenciách (AFA, AFC)	**0 / 0**
17. Vydané periodiká evidované v CCC, WoS Core Collection, SCOPUS	**0**
18. Ostatné vydané periodiká	**0**
19. Zostavovateľské práce knižného charakteru (FAI)	**1 / 1**
20. Preklady vedeckých a odborných textov (EAJ)	**0 / 0**
21. Heslá v odborných terminologických slovníkoch a encyklopédiách (BDA, BDB)	**0 / 0**
22. Recenzie v časopisoch a zborníkoch (EDI)	**0 / 0**

Evidujú len tie práce zamestnancov a doktorandov, v ktorých je uvedená afiliácia k organizácii

Tabuľka 2f Štatistika vedeckých prác podľa kvartilu vedeckého časopisu

Kvartil vedeckého časopisu	**Q1**	**Q2**	**Q3**	**Q4**	**Spolu**
Podľa IF z r. 2019 (zdroj JCR) *Počet článkov / doplnky*	17 / 0	18 / 1	9 / 1	9 / 1	53 / 3
Podľa SJR z r. 2019 (zdroj Scimago) *Počet článkov / doplnky*	18 / 0	21 / 3	23 / 0	4 / 0	66 / 3

Tabuľka 2g Ohlasy

OHLASY	**Počet v r. 2019/ doplnky z r. 2018**
Citácie vo WOS (1.1, 2.1)	840 / 0
Citácie v SCOPUS (1.2, 2.2)	184 / 0
Citácie v iných citačných indexoch a databázach (9, 10, 3.2, 4.2)	0 / 0
Citácie v publikáciách neregistrovaných v citačných indexoch (3, 4, 3.1, 4.1)	13 / 0
Recenzie na práce autorov z organizácie (5, 6, 7, 8)	1 / 0

2.5. Aktívna účasť na vedeckých podujatiach

Tabuľka 2h Vedecké podujatia

Prednášky a vývesky na medzinárodných vedeckých podujatiach	15
Prednášky a vývesky na národných vedeckých podujatiach	0

Účasť a vedenie seminárov

Interný seminár o výsledkoch detašovaného pracoviska MÚ SAV v Košiciach
stránka: https://im.saske.sk/sk/seminar.html
Vedúci: J. Pócs
Referáty: P. Eliaš (1x), R. Frič (1x), J. Haluška (2x), E. Halušková, M. Hospodár, G. Jirásková
Účasť: D. Babicová, I. Krajňáková, P. Mlynárčik, M. Repický

Seminár z kvantových logík
Vedúci: A. Dvurečenskij, S. Pulmannová
Účasť: A. Jenčová, M. Hyčko, E. Vinceková, N. Dilna
Poznámka: Bola zrealizovaná jediná prednáška, doc. Svitlana Leshchuk, PhD. (Volodymyr Hnatiuk Ternopil, National Pedagogical University, Ternopil, Ukraine): *Some aspects of training a modern specialist (work experience at the Pedagogical University)*, 24. 1. 2020. Pre nepriaznivú situáciu ohľadom COVID-19 nebol seminár aktívny.

Seminár z topológie a teórie množín na PF UPJŠ
Vedúci: L. Bukovský (PF UPJŠ)
Účasť: P. Eliaš, M. Repický

Seminár o fuzzy logike a pravdepodobnosti na PF UPJŠ
Vedúci: S. Krajči (PF UPJŠ)
Referáty: P. Eliaš, R. Frič (3x)

Seminár z globálnej analýzy na FHPV PU
Vedúci: J. Brajerčík (FHPV PU)
Referáty: P. Eliaš

Seminár z usporiadaných algebraických štruktúr na PF UPJŠ
Vedúci: D. Studenovská-Jakubíková (PF UPJŠ)
Referáty: E. Halušková, M. Hospodár, J. Pócs
Poznámka: Seminár sa uskutočňoval aj online formou.

Set-Valued Analysis
Vedúci: Ľ. Holá
Poznámka: Pre nepriaznivú epidemickú situáciu sa seminár v roku 2020 neuskutočňoval.

Seminár z teoretickej informatiky na ÚINF UPJŠ
Vedúci: V. Geffert (ÚINF UPJŠ)
Referáty: M. Hospodár (2x), G. Jiráskova (2x)
Účasť: P. Mlynárčik

Seminár z algebraickej a diferenciálnej topológie
na FMFI UK, MÚ SAV a Masarykovej univerzite Brno, ČR
Vedúci: M. Čadek (MU Brno), T. Macko, J. Korbaš (FMFI UK/MÚ SAV), M. Niepel (FMFI UK)
Referáty: T. Macko
Účasť: J. Korbaš

Panglobal Algebra and Logic Seminar (Univ. Colorado, USA)
Stránka: **http://math.colorado.edu/algebralogic/**
Vedúci: K. A. Kearnes (Univ. Colorado, USA)
Účasť: E. Halušková
Poznámka: Konaný online.

Seminár z kryptológie na FEI STU
Vedúci: O. Grošek
Účasť: K. Nemoga, J. R. Dora, P. Sýs

Seminár z kybernetickej bezpečnosti na FEI STU
Vedúci: spoločný seminár FEI STU, ÚI SAV, MÚ SAV, FMFI UK
Účasť: K. Nemoga, J. R. Dora, P. Sýs

2.6. Vyžiadané prednášky

Ak boli príspevky publikované, sú súčasťou prílohy C, kategória (AFC, AFD, AFE, AFF, AFG, AFH)

2.6.1. Vyžiadané prednášky na medzinárodných vedeckých podujatiach

2.6.2. Vyžiadané prednášky na národných vedeckých podujatiach

2.6.3. Vyžiadané prednášky na významných vedeckých inštitúciách

2.6.4. Prednášky na medzinárodných vedeckých podujatiach

1. CATERINO, A.—CEPPITELLI, R.—**HOLÁ, Ľ.**: *On the Jointly Continuous Multi-Utility Representation Problem*, 19th Conference on Applied Mathematics (APLIMAT 2020), Bratislava, 4.-6. 2. 2020. url: http://evlm.stuba.sk/APLIMAT/archiv/Abstracts2020.htm

2. **ČUNDERLÍKOVÁ, K.**: *Conditional intuitionistic fuzzy mean value in connection with the intuitionistic fuzzy probability*, IWIFSGN´2020, Varšava, 10.-11.12.2020, online. url: http://www.ibspan.waw.pl/ifs2020/
3. **FRIČ, R.**: *Lukasiewicz logic and the divisible extension of probability theory*, The 34th International Summer Conference on Real Functions Theory (Virtual ISCRFT 2020), september 2020, online. url: https://im.saske.sk/iscrft2020/
4. HALAŠ, R.— MESIAR, R.— **PÓCS, J.**: *Representation of sup-preserving and inf-preserving aggregation functions via binary relations*, The 15th International Conference on Fuzzy Set Theory and Applications (FSTA 2020), Liptovský Ján, 26.-31.1. 2020. url: https://fsta.sk/
5. **HOLÁ, Ľ**—HOLÝ, D.: *Quasicontinuous functions and cardinal invariants of the topology of pointwise convergence*, The 34th International Summer Conference on Real Functions Theory (Virtual ISCRFT 2020), september 2020, online. url: https://im.saske.sk/iscrft2020/
6. **HOLÁ, Ľ**—HOLÝ, D.: *Quasicontinuous functions and cardinal invariants of the topology of uniform convergence on compacta*, The 34th International Summer Conference on Real Functions Theory (Virtual ISCRFT 2020), september 2020, online. url: https://im.saske.sk/iscrft2020/
7. **JENČOVÁ, A.**— BLUHM, A.— NECHITA, I.: *Incompatibility in general probabilistic theories, generalized spectrahedra, and tensor norms*, 20th AQIS (Virtual Conference), Sydney, Australia, 7-9.12.2020, online. url: http://aqis-conf.org/2020/
8. **JENČOVÁ, A.**— BLUHM, A.— NECHITA, I.: *Incompatibility in GPT and tensor norms*, IQUAS 2020, Smolenice, 24.-28.8.2020. url: http://qute.sk/iquas/
9. **JENČOVÁ, A.**—**PLÁVALA, M.**: *Structure of quantum and classical implementations of Popescu-Rohrlich box* (poster), Univ. Vienna, Rakúsko (+ mnohé iné inštitúcie), online, 23.-27. 11.2020. url (abstrakt): https://www.q-turn.org/wp-content/uploads/2020/11/Q-Turn_2020_paper_137.pdf
10. **MACKO, T.**: *Cobordisms of chain complexes*, Winter school in geometry and physics, Srní, ČR, 11.-18.1.2020. url: https://conference.math.muni.cz/srni/files/archiv/2020/conference_materials.pdf
11. **MAČUTEK, J.**: *Statistical Testing in Linguistics*, Summer Workshop - Statistics in Linguistics, Trojanovice, ČR, 20.-24. 7. 2020. url: https://kcj.osu.cz/2020/07/25/v-trojanovicich-probehl-letni-workshop-zamereny-na-aplikaci-statistickych-metod-v-lingvistice-2/
12. **NEDELA, R.**: *The Jacobian and the automorphism group of a graph*, Symmetries of Discrete Objects (SODO 2020), Rotorua, Nový Zéland, 10.-14.2.2020. url: https://www.math.auckland.ac.nz/~conder/SODO-2020/
13. **NOVOTNÝ, B.**—**HOLÁ, Ľ.**:*When are topological vector spaces of minimal usco and minimal cusco maps isomorphic?*, The 34th International Summer Conference on Real Functions Theory (Virtual ISCRFT 2020), september 2020, online. url: https://im.saske.sk/iscrft2020/
14. **PAPČO, M.**— **FRIČ, R.**: *Representation of sup-preserving and inf-preserving aggregation functions via binary relations*, The 15th International Conference on Fuzzy Set Theory and Applications (FSTA 2020), Liptovský Ján, 26.-31.1. 2020. url: https://fsta.sk/
15. **PLÁVALA, M.**: *Jordan product of channels* (poster), Virtual Bristol Quantum Information Technologies Workshop (BQIT:20), Bristol, UK, online, 27.-30. 4. 2020. url: http://www.bristol.ac.uk/media-library/sites/qet-labs/images/bqit/Virtual%20BQIT20%20full%20programme%20(web).pdf

2.6.5. Prednášky na domácich vedeckých podujatiach

2.6.6. Prednášky na významných vedeckých inštitúciách

1. **MACKO, T.**: *Homotopické grupy sfér*, verejná habilitačná prednáška, FMFI UK, Bratislava, 23. 6. 2020.

2.6.7. Ostatné prednášky

1. **HALUŠKA, J.**: *Matematické možnosti analýzy organových menzúr na príklade gemerských organov*, interdisciplinárna konferencia: "Kultúrne dedičstvo Gemera a Malohontu a jeho sprístupňovanie", Revúca, 8.-9. 9. 2020, url: http://csr.sk/wp-content/uploads/2020/09/Program-konferencie-Gemer-2020.pdf.
2. MASHTALIR, O.— **DILNA, N.**: *About using blog in the conditions of mixed learning and teaching*, International on-line Conference. Modern information technology and innovation methods in teaching: experience, trends and prospects, Ternopil, Ukraine, 12-13.11.2020, online, pozvaná prednáška. url: http://conf.fizmat.tnpu.edu.ua/

2.7. Patentová a licenčná činnosť na Slovensku a v zahraničí v roku 2020

2.7.1. Vynálezy, na ktoré bol v roku 2020 udelený patent

a) na Slovensku

b) v zahraničí

2.7.2. Vynálezy prihlásené v roku 2020

a) na Slovensku

b) v iných krajinách ako prioritná prihláška

c) PCT

d) EP

e) v iných krajinách v rámci tzv. národnej fázy po PCT, resp. po validácii EP

2.7.3. Úžitkové vzory na Slovensku

a) prihlásené v roku 2020

b) udelené v roku 2020

2.7.4. Realizované vynálezy

a) predané patenty resp. prihlášky vynálezov (v prípade úplnej zmeny majiteľa patentu)

b) predané licencie (v prípade že majiteľom ostáva organizácia SAV)

Finančný prínos pre organizáciu SAV v roku 2020 a súčet za predošlé roky sa neuvádzajú, ak je zverejnenie v rozpore so zmluvou súvisiacou s realizáciou patentu.

2.8. Účasť expertov na hodnotení národných projektov (APVV, VEGA a iných)

Tabuľka 2i Experti hodnotiaci národné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Zemánková Andrea	VEGA	1

2.9. Účasť na spracovaní hesiel do encyklopédie Beliana

Počet autorov hesiel: 0

2.10. Recenzovanie publikácií a príspevkov vo vedeckých časopisoch

Tabuľka 2j Počet recenzovaných monografií, článkov, zborníkov

Meno pracovníka	Knižné monografie		Príspevky v časopisoch			Zborníky	
	Domáce	Zahra-ničné	WoS, SCOPUS	Iné databázy	Ostatné	Domáce	Zahra-ničné
Bečka Martin	0	0	1	0	0	0	0
Čunderlíková Katarína	0	0	3	0	0	0	0
Dilna Natália	0	0	4	0	0	0	0
Fečkan Michal	0	1	19	0	0	0	0
Frič Roman	0	0	1	0	0	0	0
Halušková Emília	0	0	1	0	0	1	0
Holá Ľubica	0	0	8	0	0	0	0
Hospodár Michal	0	0	1	0	0	0	0
Hyčko Marek	0	0	16	3	0	0	0
Jenčová Anna	0	1	10	0	0	0	1
Jirásková Galina	0	0	3	0	0	0	3
Kochol Martin	0	0	5	8	1	0	0
Korbaš Július	0	1	1	0	0	0	0
Macko Tibor	0	0	1	1	0	0	0
Nemoga Karol	0	0	10	0	0	0	0
Novotný Branislav	0	0	1	1	0	0	0
Okša Gabriel	0	0	0	0	0	0	0
Pócs Jozef	0	0	3	0	1	0	3
Pospíšil Michal	0	0	4	4	0	0	0
Pulmannová Sylvia	0	0	2	0	0	0	0

Tabuľka 2j (pokr.) Počet recenzovaných monografií, článkov, zborníkov

Meno pracovníka	Knižné monografie		Príspevky v časopisoch			Zborníky	
	Domáce	Zahra-ničné	WoS, SCOPUS	Iné databázy	Ostatné	Domáce	Zahra-ničné
Strauch Oto	0	0	6	1	0	0	0
Vajteršic Marian	0	0	4	0	1	0	0
Wimmer Gejza	0	0	3	0	0	0	2
Zemánková Andrea	0	0	11	0	0	0	1
Spolu	**0**	**3**	**118**	**18**	**3**	**1**	**10**

2.11. Iné informácie k vedeckej činnosti.

Ostatné dosiahnuté výsledky:

- Zlepšili sme našu implementáciu Jacobiho SVD, ktorá je rýchlejšia ako existujúce implementácie SVD algoritmu v sériovom ako aj v paralelnom prípade, pre dobre podmienené matice.
- Zaoberali sme sa D-stabilitou symetrických riešení skalárnych symetrických lineárnych a nelineárnych funkcionálno-diferenciálnych rovníc. Našli sme všeobecné podmienky pre jednoznačnú riešiteľnosť začiatočnej úlohy pre symetrické funkcionálno-diferenciálne rovnice. Taktiež preukázali sme podmienky pre symetrickosť jediného riešenia symetrických funkcionálno-diferenciálnych rovníc. Všetky teoretické výsledky boli ilustrované na príklade. Okrem iného, sme predstavili možné lineárne funkcie, ktoré majú hľadané symetrické vlastnosti.
- Študovali sme vzťah medzi spektrálnymi rozkladmi v k-perfektných MV-algebrách, t.j. možnosť kedy spektrálny rozklad môže byť rozšírený na jedinú pozorovateľnú.
- Ukázali sme rozširovaciu vlastnosť pre n-rozmerné spektrálne rozklady na n-rozmernú pozorovateľnú pre sigma úplné MV-algebry a monotónne sigma-úplné efektové algebry s Rieszovou dekompozičnou vlastnosťou.
- Predstavili sme základné vlastnosti novej algebrickej štruktúry nazvanej EMV-algebra, t.j. algebry, kde každý prvok je dominovaný booleovským prvkom, ale top element sa nepredpokladá.
- wEMV-algebry sú algebry tvoriace varietu, ktorá je najmenšia varieta obsahujúca všetky EMV-algebry. Pre tieto algebry sme študovali stavu a ukázal sme mnoho dôležitých vlastností platných pre stavy na MV-algebrách.
- Boli študované vlastnosti pravdepodobnostných mier na súčinových priestoroch súvisiace s variantmi Radon-Nikodymovej vety pre markovovské jadrá.
- Asociatívna, komutatívna a distributívna operácia násobenia na vektorovom priestore izomorfnom s E12 nad R je definovaná pomocou skew cirkulantnej matice bázických prvkov. Na tejto algebre W12 sú definované ešte dva poriadky: jeden lineárny indukovaný reálnou priamkou generovaný prvou harmonikou kmitajúcej struny. Druhý je 12-cyklický, odvodený z tretej harmoniky kmitajúcej struny. Príslušné algebrické, geometrické a topologické vlastnosti sú vypočítané pre algebru W12. Existuje 6 izotónnych cyklických podalgebier algebry W12: W1, W2, W3, W4, W5, W6. Algebra W12 je izomorfná s C x C x C x C x C x C nad R a je izomorfná tenzorovému sú súčinu podalgebier W3 a W4. Topológia na W12 je daná štandardnou Euklidovou normou. Existujú podmnožiny v W4 sú izomorfné Gaussovej (eliptickej) a Cliffordovej (hyperbolickej) komplexnej číselnej rovine. Ukázaný je spôsob, ako sa dajú nájsť inverzné prvky v W12, ak existujú.

- Zaoberali sme sa konštrukciou direktnej limity na okruhoch. Nech R je okruh a D(R) obsahuje všetky direktné súbory okruhov pozostávajúce z okruhov izomorfných s R. Ak R´ je retrakt R, tak existuje direktný súbor z D(R), ktorého limita je izomorfná s R´. Pre konečné okruhy platí, že limita každého direktného súboru z D(R) je retraktom okruhu R. Zistili sme, že R´ je retrakt R práve vtedy, keď existuje ideál I okruhu R taký, že R je priamy súčet I a R´. Ukázali sme, že pre okruhy polynómov nad okruhom celých, racionálnych aj reálnych čísel existuje direktný súbor z D(R) taký, že jeho limita nie je retraktom príslušného okruhu polynómov.
- Zaviedli sme študovali pojem kongruenčného páru pre hlavné MS-algebry. Tento pojem je jednoduchší než pôvodný od Beazera z r. 1985. Analógia Grätzerovho problému formulovanému pre distributívne p-algebry je v článku prezentovaná pre hlavné MS-algebry a je uvedené jednoduché a elegantné riešenie problému.
- Skúmali sme triedu jazykov rozpoznávaných permutačnými deterministickými konečnými automatmi. Použijúc automatové konštrukcie a niektoré vlastnosti permutačných automatov ukázali sme, že táto trieda je uzavretá nad booleovskými operáciami, zrkadlovým obrazom a kvocientmi a nie je uzavretá nad zreťazením, mocninou, Kleeneho uzáverom, pozitívnym uzáverom, strojovým zreťazením, premiešaním, cyklickým posunom a permutáciou. Dokázali sme, že stavová zložitosť booleovských operácií, Kleeneho uzáveru, pozitívneho uzáveru a pravého kvocientu na permutačných jazykoch je rovnaká ako vo všeobecnom prípade regulárnych jazykov. Ďalej dostaneme presné hodnoty stavovej zložitosti zreťazenia. Všetky naše dosvedčujúce jazyky sú unárne alebo binárne a binárna abeceda je vždy optimálna okrem booleovských operácií v prípade ak gcd(m,n) = 1. V unárnom prípade, stavová zložitosť všetkých uvažovaných operácií, okrem kvocientov a strojového zreťazenia, je rovnaká ako pre regulárne jazyky. V prípade kvocientov je zložitosť min{m,n} a v prípade strojového zreťazenia je to buď $2m - 1$ alebo $2m - 2$, v závislosti od toho, či existuje celé číslo 1 také, že $2 \leq l \leq n$ a $m \bmod l = 0$.
- Dokázali sme monotónnosť "sendvičových" Rényiho relatívnych alfa-entropií vzhľadom na všetky pozitívne zobrazenia zachovávajúce stopu a všetky hodnoty parametra alfa v intervale (0.5,1). Tiež sme dokázali, že rovnosť v monotónnosti implikuje reverzibilitu pre 2-pozitívne zobrazenia zachovávajúce stopu. Našli sme niekoľko ekvivalentných charakterizácií kompatibilných meraní vo všeobecných probabilistických teóriách: pomocou rozšíriteľnosti pozitívnych zobrazení, zovšeobecnených spektrahedrónov a pomocou tenzorových noriem. To viedlo k novým odhadom stupňa kompatibility (aj) pre kvantové efekty.
- Pre zreťazenie k jazykov sme popísali dosvedčujúci jazyk nad k-písmenkovou abecedou, a ukázali sme, že takáto abeceda je optimálna v prípade, že k=3.
- Vyjadrili sme Tuttov polynóm regulárnych matroidov ako počet dvojíc vybraných prvkov zodpovedajúcej chain grupy.
- Dokázali sme, že zovšeobecnené Tutte–Grothendieckove invarianty, preto tiež Tuttove polynómy matroidov, je možné transformovať do tvaru, že pravidlá kontrakcie a vynechania zodpovedajúce slučkám (mostom) splynú s pravidlami zodpovedajúcimi všeobecným prvkom matroidov.
- Odvodili sme silné dolné ohraničenia pre rozpon projektívnych Stiefelových variet $X(n,r)=O(n)/(O(n-r)\times Z/2)$, ktoré umožňujú veľmi presné odhady rozponu. Technika je vo väčšine prípadov založená na elementárnych vlastnostiach vektorových fibrácií. Avšak prípad X(n,2) s n nepárnym má zvláštne ťažkosti, ktoré sa čiastočne vyriešia pomocou Browderovho-Dupontovho invariantu.
- Pokračovali sme v hľadaní všeobecnej formulácie algebrickej teórie chirurgií pomocou univerzálnych konštrukcií pre našu pripravovanú monografiu o teórií chirurgií. Vylepšovali a dolaďovali sme nami definované univerzálne konštrukcie, ktoré sme našli v predchádzajúcom roku, pričom sme mali špeciálne na zreteli voľby bázových bodov.

Taktiež sme pridali všeobecnú kapitolu o homotopickej teórii reťazcových komplexov, ktorá by mohla byť užitočná aj pre výskumníkov mimo teórie chirurgií.

- Pokračovali sme hľadaní nového dôkazu hlavnej vety a totálnej chirurgickej prekážke. Konkrétne sme sa venovali Mayer-Vietorisovej postupnosti v homológiách s koeficientami v L-spektre odvodenej od rozkladu Poincarého CW-complexu vynásobeného vysoko-rozmerným diskom na rúčky zlepené homotopickými ekvivalenciami. Pomocou nej sme našli priamy súvis medzi homologickou časťou totálnej chirugickej prekážky a štruktúrnym invariantom homotopickej ekvivalencie variet s hranicou, čo by mal byť jeden z hlavných komponentov finálneho dôkazu, ktorý hľadáme.
- Odvodili sme súvislosť medzi Grothendieckovými kompletnými regulárnymi dezénmi a kosomorfizmami cyklických grúp. To viedlo k objavu konceptu recipročných párov kosomorfizmov. Priamym dôsledkom je charakterizácia dvojíc prirodzených čísel (m,n), pre ktoré existuje jediný kompletný regulárny dezén typu (m,n).
- Zaoberali sme sa ťažkým problémom rozpoznania Cayleyho grafov. Dokázali sme, že pre abelovské grupy rádu 4p, kde p je prvočíslo, je tento problém riešiteľný v polynomiálnom čase.
- Skúmali sme vlastnosti Ramseyho modelu v ekonomike s nekonštantným rastom populácie.
- Bola dokázaná konvergencia vlastných vektorov a vlastných čísiel pre sériový a paralelný blokový Jacobiho EVD algoritmus pre hermitovské matice s dynamickým usporiadaním subproblémov.
- Boli študované generujúce množiny agregačného klonu na konečných zväzoch.
- Podarilo sa charakterizovať konečné reťazce použitím minimality istých špeciálnych typov generujúcich množín.
- Synaptické algebry zavedené D. Foulisom zovšeobecňujú dosiaľ známe modely kvantovej mechaniky. Študovali sme ostré (sharp) a neostré (fuzzy) pozorovateľné na dvoch triedach synaptických algebier, na tzv. generalizovaných Hermitovských algebrách a na synaptických algebrách, ktoré sú duálom Banachovho priestoru. Na týchto dvoch typoch synaptických algebier sme ukázali vzťahy medzi fuzzy a sharp pozorovateľnými.
- Ukázal sme, že tenzorový súčin dimenzných efektových algebier v kategórii efektových algebier je dimenzná efektová algebra, ktorá je izomorfná jednotkovému intervalu v tenzorovom súčine zodpovedajúcich dimenzných grúp v kategórii unitálnych abelovských po-grúp.
- Získali sme nové výsledky o kardinálnych invariantoch topologických priestorov nerozlišujúcich ideálové konvergencie postupností spojitých reálnych funkcií.
- Študovali sme rovnomerné rozdelenie váhovej digitálnej funkcií. Dokázali sme obecné trigonometrické kritérium pre rovnomerné rozdelenie. Ukázali sme nejaké horné ohraničenie pre diskrepanciu. Existencia distribučnej funkcii g(x)=x implikuje rovnomerné rozdelenie. Ako príklady uvádzame van der Corput-Haltonovu a Kroneckerovu d-rozmernú postupnosť.
- K. Mahlerova hypotéza hovorí: Neexistuje t z R tak že {t(3/2)^n}<1/2 pre n=0,1,2,... Ak také t existuje, nazývame ho Mahlerove Z-číslo. My sme ukázali, že ak t je Z-číslo potom postupnosť x_n={t(3/2)^n} mod 1 má asymptotickú distribučnú funkciu c_0(x), kde c_0(x)=1 pre x in (0,1].
- Prezentovali sme numerické experimenty potvrdzujúce zníženie komplexity Strassenovho algoritmu, keď sa vhodne kombinuje s klasickým maticovým násobením na malých maticiach.
- Dokázali sme, že každá idempotentná 2-uninorma sa dá vyjadriť ako ordinálny súčet idempotentnej uninormy (v niektorých prípadoch ešte aj spočítateľného počtu idempotentných pologrúp s operáciami min a max) a 2-uninormy z triedy 1 (v niektorých prípadoch zúženej na otvorený, alebo polootvorený jednotkový štvorec). Tie isté výsledky sme ukázali aj pre n-uninormy vyšších rádov. Tiež sme ukázali, že idempotentné n-uninormy

(podobne ako klasické idempotentné uninormy) korešpondujú jedna-k-jednej so špeciálnymi dolnými polo-zväzmi definovanými na jednotkovom intervale.

- Študovali sme n-uninormy so spojitými pridruženými t-normami a t-konormami. Jadro týchto funkcií tiež tvorí n-uninorma z triedy 1 so spojitými pridruženými funkciami. Ukázali sme, že každá 2-uninorma so spojitými pridruženými funkciami sa dá vyjadriť ako ordinálny súčet uninormy so spojitými pridruženými funkciami (v niektorých prípadoch ešte aj spočítateľného počtu pologrúp odvodených od reprezentovateľných uninoriem, spojitých Archimedovských t-noriem, t-konoriem a idempotentných uninoriem) a 2-uninormy z triedy 1 (v niektorých prípadoch zúženej na otvorený, alebo polootvorený jednotkový štvorec). Tie isté výsledky sme ukázali aj pre n-uninormy vyšších rádov.
- Skúmali sme aj konvexné kombinácie uninoriem, pričom sme sa zamerali na uninormy so spojitými pridruženými funkciami, uninormy s rôznymi neutrálnymi prvkami a reprezentovateľné uninormy. Ukázali sme, že v tomto probléme hrajú veľmi dôležitú úlohu konvexné kombinácie t-subnoriem. Naše výsledky ukazujú, že netriviálna konvexná kombinácia dvoch uninoriem so spojitými pridruženými funkciami môže byť uninormou iba v prípade ak netriviálna konvexná kombinácia dvoch striktných t-noriem môže byť t-norma (čo je problém, ktorý sa ešte vo všeobecnosti nepodarilo vyriešiť), alebo ak netriviálna konvexná kombinácia dvoch reprezentovateľných uninoriem môže byť uninorma (čo sme v niektorých špeciálnych prípadoch vylúčili).
- Ukázali sme, že n-uninorma so spojitými pridruženými funkciami má n charakterizujúcich multi-funkcií, pričom grafy týchto multi-funkcií pokrývajú celú množinu bodov nespojitosti danej n-uninormy. Popritom i-ta charakterizujúca multi-funkcia delí jednotkový štvorec na dve časti: pod grafom i-tej charakterizujúcej multi-funkcie nadobúda n-uninorma hodnoty menšie ako i-ty lokálny neutrálny prvok a nad grafom i-tej charakterizujúcej multi-funkcie nadobúda n-uninorma hodnoty väčšie ako i-ty lokálny neutrálny prvok. Popisujeme tiež vzťah medzi i-tou charakterizujúcou multi-funkciou a charakterizujúcou multi-funkciou i-tej pridruženej uninormy.
- Študovali sme prirodzené čiastočné usporiadanie pologrúp indukované asociatívnou, idempotentnou, komutatívnou funkciou F (ako sú napr. t-normy, t-konormy, uninormy a nullnormy na ohraničených zväzoch). Ukázali sme, že v prípade takýchto funkcií prirodzené čiastočné usporiadanie zodpovedá dolnému polo-zväzu a že hodnota F(x,y) sa dá vyjadriť ako infímum z x a y vzhľadom na prirodzené čiastočné usporiadanie. Pomocou tohto výsledku sme predstavili metódu na jednoduché overenie (či vylúčenie) asociativity pre komutatívne, idempotentné funkcie. V špeciálnych prípadoch sme tiež ukázali nutné a postačujúce podmienky na to, aby bola takáto funkcia neklesajúca. Tiež sme ukázali, že prirodzený dolný polo-zväz spája ordinálny súčet podľa Clifforda s ordinálnym súčtom podľa Birkhoffa.
- V spolupráci so španielskymi kolegami sme dokázali spraviť prvé kroky smerujúce ku kompletnej charakterizácii (S,N)-implikácií v prípade, keď je negácia N nespojitá. Naša práca zahŕňala dva kroky. Prvý je všeobecná charakterizácia týchto fuzzy implikácií. Druhý je problém rozšírenia binárnej funkcie známej na nejakej podmnožine jednotkového štvorca na t-konormu. V práci sme riešili duálny problém rozšírenia binárnej funkcie na t-normu. Tento problém sa nám podarilo vyriešiť pre kancelatívne funkcie a funkcie N-ekvivalentné s minimovou t-normou. Naše výsledky sa zameriavali hlavne na negácie s jedným bodom nespojitosti, ale väčšina výsledkov sa dá použiť aj pre všeobecnejšie nespojité negácie.
- Sformulovali sme a dokázali martingálovú konvergenčnú vetu pre podmienenú intuicionistickú fuzzy pravdepodobnosť indukovanú intuicionistickým fuzzy stavom.
- Definovali sme podmienenú pravdepodobnosť pre intuicionistické fuzzy množiny pomocou intuitionistickej fuzzy pravdepodobnosti. Sformulovali sme a dokázali martingálovú konvergenčnú vetu i pre takýto typ podmienenej intuicionistickej fuzzy pravdepodobnosti.

- Študovali sme individuálnu ergodickú vetu na intuicionistických fuzzy množinách v súvislosti s intuicionistickým fuzzy stavom a s intuicionistickou fuzzy pravdepodobnosťou.
- Dokázali sme platnosť základných viet teórie extrémnych hodnôt ako Fisher –Tippet-Gnedenkovu vetu a Pickands-Balkema-de Haanovu vetu pre MV-algebry.
- Definovali sme operáciu súčinu a združenú pozorovateľnú pre intervalové fuzzy množiny. Ukázali sme súvis medzi intervalovými fuzzy množinami a intuicionistickými fuzzy množinami v týchto oblastiach.

3. Doktorandské štúdium, iná pedagogická činnosť a budovanie ľudských zdrojov pre vedu a techniku

3.1. Údaje o doktorandskom štúdiu

Tabuľka 3a Počet doktorandov v roku 2020

Forma	Počet k 31.12.2020				Počet doktorandov po doktorandskej skúške		Počet ukončených doktorantúr v r. 2020					
							Ukončenie z dôvodov					
	celkový počet		z toho novoprijatí				ukončenie úspešnou obhajobou		predčasné ukončenie		neúspešné ukončenie	
	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž	M	Ž
Denná zo zdrojov SAV	3	0	0	0	0	2	0	2	0	0	0	0
Denná z iných zdrojov	0	0	0	0	0	0	0	0	0	0	0	0
Externá	0	0	0	0	0	0	0	0	0	0	0	0
Spolu	3	0	0	0	0	2	0	2	0	0	0	0
Súhrn	3		0		2		2		0		0	

Uvádzajte len doktorandov organizácie ako externej vzdelávacej inštitúcie.
Riadok „Spolu“ je súčtom troch riadkov nad ním. Každá bunka v „Súhrn“ je súčtom dvoch buniek nad ňou. V stĺpci „Počet doktorandov po doktorandskej skúške“ sa uvádza počet doktorandov, ktorí počas roku 2020 boli aspoň 1 deň doktorandami po doktorandskej skúške. Sú číselne zahrnutí aj v predchádzajúcich stĺpcoch.

3.2. Zmena formy doktorandského štúdia

Tabuľka 3b Počty preradení z dennej formy na externú a z externej na dennú

Pôvodná forma	Denná z prostriedkov SAV	Denná z prostriedkov SAV	Denná z iných zdrojov	Denná z iných zdrojov	Externá	Externá
Nová forma	**Denná z iných zdrojov**	**Externá**	**Denná z prostriedkov SAV**	**Externá**	**Denná z prostriedkov SAV**	**Denná z iných zdrojov**
Počet	0	0	0	0	0	0

3.3. Zoznam doktorandov, ktorí ukončili doktorandské štúdium úspešnou obhajobou

Tabuľka 3c Menný zoznam ukončených doktorandov v roku 2020 úspešnou obhajobou

Meno doktoranda	Forma DŠ	Mesiac, rok nástupu na DŠ	Mesiac, rok obhajoby	Číslo a názov študijného odboru	Meno a organizácia školiteľa	Fakulta udeľujúca vedeckú hodnosť
Mgr. Dušana Babicová	interné štúdium hradené z prostriedkov SAV	9 / 2016	8 / 2020	9.1.9 aplikovaná matematika	doc. RNDr. Roman Frič DrSc., Detašované pracovisko Matematického ústavu SAV v Košiciach	Fakulta matematiky, fyziky a informatiky UK
Mgr. Ivana Krajňáková	interné štúdium hradené z prostriedkov SAV	9 / 2016	8 / 2020	9.1.9 aplikovaná matematika	RNDr. Galina Jirásková CSc., Detašované pracovisko Matematického ústavu SAV v Košiciach	Fakulta matematiky, fyziky a informatiky UK

3.4. Zoznam doktorandov, ktorí ukončili doktorandské štúdium úspešnou obhajobou v nadštandardnej dĺžke štúdia

Tabuľka 3d Menný zoznam ukončených doktorandov v roku 2020 úspešnou obhajobou v nadštandardnej dĺžke štúdia

Meno doktoranda	Forma DŠ	Mesiac, rok nástupu na DŠ	Mesiac, rok obhajoby	Číslo a názov študijného odboru	Meno a organizácia školiteľa	Fakulta udeľujúca vedeckú hodnosť

3.5. Uplatnenie absolventov doktorandského štúdia

Tabuľka 3e Prehľad uplatnenia absolventov doktorandského štúdia

Počet absolventov PhD. štúdia v roku 2020 (obhajoba leto 2020)	z toho koľkí sa zamestnali vo výskume (SAV, univerzity, rezortné výskumné ústavy)	z toho koľkí sa zamestnali v praxi mimo výskum, kde využívajú svoju kvalifikáciu	z toho koľkí sa zamestnali v praxi, kde nevyužívajú svoju kvalifikáciu	z toho koľkí boli nejaký čas nezamestnaní
0	0	0	0	0

Zoznam interných a externých doktorandov je uvedený v prílohe A.

3.6. Medzinárodné doktorandské štúdium

Tabuľka 3f Počet študentov v medzinárodných programoch doktorandského štúdia

Cotutelle	Co-direction	Iné	Zahraniční doktorandi štátne občianstvo/počet
0	0	0	

Zahraniční doktorandi sú doktorandi v dennej alebo externej forme štúdia, ktorí sú občanmi iných krajín. Doktorandi školení v rámci Cotutelle alebo Co-direction sa do posledného stĺpca nezapočítavajú.

3.7. Zoznam študijných odborov, na ktoré má ústav uzatvorenú rámcovú dohodu, s uvedením VŠ

Tabuľka 3g Zoznam študijných odborov, na ktoré má ústav uzatvorenú rámcovú dohodu, s uvedením univerzity/vysokej školy a fakulty, kde sa doktorandský študijný program uskutočňuje

Názov študijného odboru (ŠO)	Číslo ŠO	Doktorandské štúdium uskutočňované na (univerzita/vysoká škola a fakulta)
aplikovaná matematika	9.1.9	Fakulta matematiky, fyziky a informatiky UK

Tabuľka 3h Účasť na pedagogickom procese

Menný prehľad pracovníkov, ktorí boli menovaní do odborových komisií pre doktorandské štúdium	Menný prehľad pracovníkov, ktorí pôsobili ako členovia vedeckých rád univerzít, správnych rád univerzít a fakúlt	Menný prehľad pracovníkov, ktorí získali vyššiu vedeckú, pedagogickú hodnosť alebo vyšší kvalifikačný stupeň
prof. RNDr. Anatolij Dvurečenskij, DrSc. (pravdepodobnosť a matematická štatistika)	prof. RNDr. Anatolij Dvurečenskij, DrSc. (Fakulta matematiky, fyziky a informatiky UK)	Mgr. Dušana Babicová (PhD., Fakulta matematiky, fyziky a informatiky UK)
prof. RNDr. Anatolij Dvurečenskij, DrSc. (aplikovaná matematika)	prof. RNDr. Anatolij Dvurečenskij, DrSc. (Přírodovědecká fakulta, Univerzita Hradec Králove, ČR)	Mgr. Ivana Krajňáková (PhD., Fakulta matematiky, fyziky a informatiky UK)
prof. RNDr. Michal Fečkan, DrSc. (matematická analýza)	RNDr. Stanislav Jakubec, DrSc. (Přírodovědecká fakulta, Univerzita Hradec Králové, ČR)	doc. Mgr. Tibor Macko, PhD. (doc., Fakulta matematiky, fyziky a informatiky UK)
prof. RNDr. Michal Fečkan, DrSc. (numerická analýza a vedecko-technické výpočty)	prof. RNDr. Július Korbaš, CSc. (Fakulta matematiky, fyziky a informatiky UK)	
prof. RNDr. Michal Fečkan, DrSc. (aplikovaná matematika)	prof. RNDr. Roman Nedela, DrSc. (Fakulta matematiky, fyziky a informatiky UK)	
doc. RNDr. Roman Frič, DrSc. (pravdepodobnosť a matematická štatistika)	prof. RNDr. Roman Nedela, DrSc. (Fakulta prírodných vied UMB)	
doc. RNDr. Roman Frič, DrSc. (geometria a topológia)	prof. RNDr. Roman Nedela, DrSc. (Univerzita Mateja Bela v Banskej Bystrici)	

Tabuľka 3h (pokr.) Účasť na pedagogickom procese

Menný prehľad pracovníkov, ktorí boli menovaní do odborových komisií pre doktorandské štúdium	**Menný prehľad pracovníkov, ktorí pôsobili ako členovia vedeckých rád univerzít, správnych rád univerzít a fakúlt**	**Menný prehľad pracovníkov, ktorí získali vyššiu vedeckú, pedagogickú hodnosť alebo vyšší kvalifikačný stupeň**
doc. RNDr. Ľubica Holá, DrSc. (geometria a topológia)	doc. RNDr. Karol Nemoga, CSc. (Fakulta prírodných vied UMB)	
doc. RNDr. Ľubica Holá, DrSc. (aplikovaná matematika)	doc. RNDr. Karol Nemoga, CSc. (Přírodovědecká fakulta, Univerzita Hradec Králove, ČR)	
prof. RNDr. Július Korbaš, CSc. (geometria a topológia)		
doc. RNDr. Karol Nemoga, CSc. (aplikovaná informatika)		
doc. RNDr. Miroslav Repický, CSc. (informatika)		
doc. RNDr. Oto Strauch, DrSc. (aplikovaná matematika)		
prof. RNDr. Gejza Wimmer, DrSc. (metrológia)		

3.8. Údaje o pedagogickej činnosti

Tabuľka 3i Prednášky a cvičenia vedené v roku 2020

PEDAGOGICKÁ ČINNOSŤ	**Prednášky**		**Cvičenia a semináre**	
	doma	**v zahraničí**	**doma**	**v zahraničí**
Počet prednášateľov alebo vedúcich cvičení	8	2	6	1
Celkový počet hodín v r. 2020	468	183	611	30

Prehľad prednášateľov predmetov a vedúcich cvičení, s uvedením názvu predmetu, úväzku, katedry, fakulty, univerzity/vysokej školy je uvedený v prílohe D.

Tabuľka 3j Aktivity pracovníkov na VŠ

1.	**Počet pracovníkov, ktorí pôsobili ako vedúci alebo konzultanti diplomových a bakalárskych prác**	3
2.	**Počet vedených alebo konzultovaných diplomových a bakalárskych prác**	3
3.	**Počet pracovníkov, ktorí pôsobili ako školitelia doktorandov (PhD.)**	3
4.	**Počet školených doktorandov (aj pre iné inštitúcie)**	3
5.	**Počet oponovaných dizertačných a habilitačných prác**	7
6.	**Počet pracovníkov, ktorí oponovali dizertačné a habilitačné práce**	3
7.	**Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby DrSc. prác**	1
8.	**Počet pracovníkov, ktorí pôsobili ako členovia komisií pre obhajoby PhD. prác**	5
9.	**Počet pracovníkov, ktorí pôsobili ako členovia komisií, resp. oponenti v inauguračnom alebo habilitačnom konaní na vysokých školách**	3

3.9. Iné dôležité informácie k pedagogickej činnosti

4. Medzinárodná vedecká spolupráca

4.1. Medzinárodné vedecké podujatia

4.1.1. Medzinárodné vedecké podujatia, ktoré organizácia SAV organizovala v roku 2020 alebo sa na ich organizácii podieľala, s vyhodnotením vedeckého a spoločenského prínosu podujatia

58. Letná škola z algebry a usporiadaných množín (SSAOS 2020), Smižany, 30.08.-05.09.2020
Konferencia sa pre nepriaznivú epidemickú situáciu nakoniec neuskutočnila. Plánuje sa jej organizácia v roku 2021.

34. medzinárodná letná konferencia z teórie reálnych funkcii (Virtual ISCRFT 2020)), --, 45 účastníkov, 07.09.-27.09.2020
Konferencia sa organizovala systémom online posterov. Počas jej konania boli pre registrovaných účastníkov zverejnené príspevky a bola otvorená diskusia k nim.

Konferencia k NATO projektu Science for Peace and Security (SPS) G5448 "Secure Communication in the Quantum Era", Smolenice, 20 účastníkov, 02.03.-04.03.2020
Matematický ústav poriadal v Smoleniciach od 2. do 4. marca 2020 konferenciu ku projektu Science for Peace and Security (SPS) G5448 "Secure Communication in the Quantum Era". K. Nemoga je koordinátorom tohto projektu za NATO ISEG. Konferencie mala asi 20 účastníkov z toho asi 10 zo zahraničia (Belgicko, USA, Malta, Španielsko). Zúčastnení pracovníci NATO HQ vysoko hodnotili priebeh a výsledky konferencie.

4.1.2. Medzinárodné vedecké podujatia, ktoré usporiada organizácia SAV v roku 2021 (anglický a slovenský názov podujatia, miesto a termín konania, meno, telefónne číslo a e-mail zodpovedného pracovníka)

Summer School on General Algebra and Ordered Sets 2021/Letná škola z algebry a usporiadaných množín 2021, Smižany (Hotel Čingov), 05.09.-11.09.2021, (Jozef Pócs, 055/ 622 82 91, pocs@saske.sk)

4.1.3. Počet pracovníkov v programových a organizačných výboroch medzinárodných konferencií

Tabuľka 4a Programové a organizačné výbory medzinárodných konferencií

Meno pracovníka	Programový	Organizačný	Programový i organizačný
Eliaš Peter	0	1	0
Frič Roman	0	0	1
Holá Ľubica	0	0	1
Jirásková Galina	0	0	1
Nemoga Karol	2	0	0
Novotný Branislav	0	0	1
Štefančíková Katarína	0	1	0
Zemánková Andrea	1	0	0
Spolu	1	2	4

4.2. Členstvo a funkcie v medzinárodných orgánoch

4.2.1. Členstvo a funkcie v medzinárodných vedeckých spoločnostiach, úniách a národných komitétoch SR

RNDr. Katarína Čunderlíková, PhD.

EUSFLAT - European Society for Fuzzy Logic and Technology (funkcia: člen)
IFSTART - Intuitionistic Fuzzy Sets: Theory, Applications and Related Topics (funkcia: člen)

prof. RNDr. Anatolij Dvurečenskij, DrSc.

Európska akadémia vied a umení (funkcia: člen)
International Quantum Structure Association (funkcia: člen výboru)

doc. RNDr. Roman Frič, DrSc.

International Quantum Structures Association (funkcia: člen)

doc. RNDr. Karol Nemoga, CSc.

ACM (Association for Computing Machinery) (funkcia: člen)
IACR International Association for Cryptology (funkcia: člen)
IEEE Institute of Electrical and Electronics Engineers (funkcia: člen)
SIAM Society for Industrial and Applied Mathematics (funkcia: člen)

doc. RNDr. Sylvia Pulmannová, DrSc.

American Mathematical Society (funkcia: člen)

doc. RNDr. Oto Strauch, DrSc.

American Mathematical Society (funkcia: člen)

prof. RNDr. Marian Vajteršic, DrSc.

European Academy of Sciences and Arts (EASA) (funkcia: člen)
Institute of Electrical and Electronics Engineers (IEEE) (funkcia: člen)

4.3. Účasť expertov na hodnotení medzinárodných projektov (EÚ RP, ESF a iných)

Tabuľka 4b Experti hodnotiaci medzinárodné projekty

Meno pracovníka	Typ programu/projektu/výzvy	Počet hodnotených projektov
Nemoga Karol	NATO ISEG	25

4.4. Najvýznamnejšie prínosy MVTS ústavu vyplývajúce z mobility a riešenia medzinárodných projektov a iné informácie k medzinárodnej vedeckej spolupráci

Spolupráca na multilaterálnom projekte " *Development of next-generation eigenvalue/singular value computation library with high scalability and high accuracy*". Členovia:

- Yusaku Yamamoto, The University of Electro-Communications, Tokyo, Japan
- Marian Vajteršic, University of Salzburg, Austria and Slovak Academy of Sciences, Bratislava, Slovakia
- Gabriel Okša, Slovak Academy of Sciences, Bratislava, Slovakia
- Martin Bečka, Slovak Academy of Sciences, Bratislava, Slovakia
- Shuhei Kudo, RIKEN AICS, Kobe, Japan
- Akira Imakura, University of Tsukuba, Tsukuba, Japan

Návšteva Prof. Yusaku Yamamoto-a u prof. M. Vajteršica na jeho pracovisku na Univ. v Salzburgu v dňoch 26. 2. - 16. 3. 2020.

E. Plávalová spolupracovala v skupine Exoplanet Group s Astronomickým ústavom AV ČR v Ondřejove, ČR. Zoznam všetkých členov skupiny je na stránke:
http://stelweb.asu.cas.cz/exogroup/en_members.html.

Kvôli sprísneným protiepidemiologickým opatrenia proti šíreniu Covid 19, väčšina medzinárodných konferencií sa buď presunula na neurčitý čas alebo prešli do on-line priestoru. Napr.

- Categorical Probability and Statistics (Ottawa, Kanada)
- TQC 2020 - 15th Conference on the Theory of Quantum Computation, Communication and Cryptography (Riga, Lotyšsko)
- Applied Category Theory 2020 (Cambridge, Massachusetts, USA)
- Workshop on Quantum Information, Computation, and Foundation (Kyoto, Japonsko)
- Q-Turn (Viedeň, Rakúsko)

RNDr. Martin Plávala, PhD. získal v r. 2020 prestížne štipendium nadácie Alexandra von Humboldta.

Matematický ústav SAV bol spoluriešiteľom projektu ERACoSysMed (2nd Joint Transnational Call for European Projects on Systems Medicine), spoluriešiteľské organizácie sú zo Španielska, Rakúska, Slovinska, Veľkej Británie, Nórska, Belgicka, Holandska, Luxemburska, Talianska, Izraela, Francúzska a Nemecka. Spolu 13 tímov, z Belgicka dva. Vedúcim za MÚ SAV je B. Novotný (ďalší riešiteľ za MÚ SAV P. Bokes). Projekt je financovaný SAV za spoluúčasti ústavu. Trvanie projektu 1. 7. 2018 – 30. 6. 2021.

Prehľad údajov o medzinárodnej mobilite pracovníkov organizácie je uvedený v Prílohe E.
Prehľad a údaje o medzinárodných projektoch sú uvedené v kapitole 2 a Prílohe B.

5. Koncepcia dlhodobého rozvoja organizácie

5.1. Odporúčania z posledného pravidelného hodnotenia organizácií SAV (akreditácie)

Odporúčania Medzinárodného panelu.

- Zriadiť medzinárodný poradný panel.
- Pokračovať v doktorandskom štúdiu, ktorého zameranie musí byť atraktívne pre študentov.
- Posilniť zložku postdoktorandov na ústave.
- Pracovať ďalej na vyváženosti pomeru žien na pracovisku.
- Posilniť aktivity smerom ku účasti študentov na ústave.

SAV prijala širší akčný plán. Oba tieto dokumenty, t.j. Akčný plán SAV a odporúčania panelu boli rozpracované do Akčného plánu Matematického ústavu SAV.

5.2. Hlavné body Akčného plánu organizácie a stav ich plnenia

Akčný plán bol zameraný na všetky oblasti, ktoré postihoval Akčný plán SAV. Hlavné zameranie ústavu vo všetkých smeroch jeho činnosti aj v r. 2020 boli.

1. Doktorandské štúdium
2. Spolupráca s VŠ
3. Diverzita pracovníkov
4. Projektová aktivita, medzinárodné projekty
5. Medziakademická spolupráca
6. Strategické zameranie
7. Multidisciplinárny výskum
8. Strategické formovanie ústavu
9. Pomenovanie ústavu
10. Publikačné prostredie
11. Publikovanie vlastných výsledkov
12. Vydávanie časopisov
13. Problematika duševného vlastníctva
14. Rozpočet pracoviska
15. Manažment a infraštruktúra pracoviska

Akčný plán je každoročne prehodnocovaný.

5.3. Aktualizácia Akčného plánu organizácie v roku 2020

V roku 2020 sme urobili niekoľko výrazných krokov v jeho plnení:

- Prijali sme dvoch mladých kolegov na pomoc pri riešení modelovania šírenia pandémie Covid 19.
- Mladý docent (ako víťaz konkurzu) nastúpil 1.1.2020 pre oblasť matematickej štatistiky.
- S Výskumnou agentúrou sme začali realizovať dve zmluvy na realizáciu projektov Operačného programu Výskum a inovácie v hodnote cca 2 milióny EUR.

Týmito krokmi sme plnili odporúčania akreditačného panelu smerom ku omladeniu ústavu, posilneniu počtu postdoktorandov. Rozšírili sme spoluprácu o ďalšie atraktívne smery, napr. aktuálne problémy modelovania šírenia pandémie Covid 19 na Slovensku, ako nám bolo odporúčané. Súčasne sme rozšírenie spolupráce zamerali na získavanie ďalších mimorozpočtových zdrojov, čo umožní ďalšie zvýšenie počtu mladých pracovníkov.

Medzinárodný poradný panel Matematického ústavu SAV má nasledujúce zloženie:

- **Prof. Antonio Di Nola**, University of Salerno, Salerno, Taliansko,
- **Prof. Lajos Molnár, DSc.,** Dep. of Analysis, Bolyai Institute, University of Szeged, Szeged, Maďarsko
- **RNDr. Jiří Rákosník, CSc.,** bývalý riaditeľ Matematického ústavu AV ČR v Prahe.

6. Spolupráca s univerzitami/vysokými školami a inými subjektmi v oblasti vedy a techniky, okrem aktivít uvedených v kap. 2, 3, 4

6.1. Spoločné pracoviská organizácie

6.1.1. Spolupráca s univerzitami/VŠ (fakultami)

Názov univerzity/vysokej školy a fakulty: Fakulta elektrotechniky a informatiky STU
Oblasť spolupráce: pedagogika, veda a výskum
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 2000
Zhodnotenie: spolupráca pre MO SR, NATO a NBÚ SR, spolupráca vo výskume a výchove mladých vedeckých pracovníkov, spoločný vedecký projekt APVV, výuka a príprava materiálov.

Názov univerzity/vysokej školy a fakulty: Fakulta matematiky, fyziky a informatiky UK
Oblasť spolupráce: pedagogika, veda a výskum
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 1990
Zhodnotenie: spoločný vedecký grant, výchova mladých vedeckých pracovníkov, členstvo v štátnicových komisiách.

Názov univerzity/vysokej školy a fakulty: Fakulta prírodných vied UMB
Oblasť spolupráce: pedagogika, veda a výskum
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 2001
Zhodnotenie: členstvo vo VR, výuka, výchova mladých vedeckých pracovníkov, spoločný projekt APVV, VEGA, ESF na podporu vzdelávania v SR, príprava spoločných publikácií, vedenie diplomových prác, vedenie ŠVOČ prác.

Názov univerzity/vysokej školy a fakulty: Fakulta prírodných vied UMB
Oblasť spolupráce: vedecko-výskumná činnosť, vzdelávanie
Sídlo spoločného pracoviska (ak je vytvorené): Ústavu vied o Zemi SAV (Ďumbierska 1, Banská Bystrica)
Začiatok spolupráce: 2019
Zhodnotenie: V roku 2019 sme zmluvne zriadili spoločné pracovisko 1) Fakulty prírodných vied UMB, Banská Bystrica, 2) Ústavu vied o Zemi SAV, 3) Matematického ústavu SAV, 4) Ústavu informatiky SAV a 5) Centra biológie rastlín a biodiverzity SAV, Botanický ústav SAV.

Názov univerzity/vysokej školy a fakulty: Pedagogická fakulta KU
Oblasť spolupráce: výuka
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 2020
Zhodnotenie: Výuka na Fakulte manažmentu (Poprad).

Názov univerzity/vysokej školy a fakulty: Prírodovedecká fakulta UPJŠ
Oblasť spolupráce: pedagogika, veda a výskum
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 1999

Zhodnotenie: spoločné vedecké granty, výuka, príprava spoločných publikácií, členstvo v komisiách, semináre, vedenie bakalárskych a diplomových prác, vypracovávanie oponentských posudkov pre diplomové a bakalárske práce, vedenie diplomovej práce.

Názov univerzity/vysokej školy a fakulty: Stavebná fakulta STU
Oblasť spolupráce: numerická analýza, algoritmy
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 2011
Zhodnotenie: pedagogická činnosť

Názov univerzity/vysokej školy a fakulty: Strojnícka fakulta STU
Oblasť spolupráce: spoločný grant
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 2020
Zhodnotenie: Spolupráca na grante.

Názov univerzity/vysokej školy a fakulty: Strojnícka fakulta STU
Oblasť spolupráce: veda a výskum
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 2020
Zhodnotenie: Spolupráca na riešení APVV projektu s Ústavom automatizácie, merania a aplikovanej informatiky.

Názov univerzity/vysokej školy a fakulty: Technická univerzita v Košiciach
Oblasť spolupráce: pedagogika, veda a výskum
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 2002
Zhodnotenie: výuka, spolupráca vo vedeckých grantoch, seminár.

Názov univerzity/vysokej školy a fakulty: Trnavská univerzita v Trnave
Oblasť spolupráce: pedagogika, veda a výskum
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 2002
Zhodnotenie: výuka, spolupráca vo vedeckých projektoch.

Názov univerzity/vysokej školy a fakulty: Univerzita Konštantína Filozofa v Nitre
Oblasť spolupráce: pedagogika, veda a výskum
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 2002
Zhodnotenie: výuka, spolupráca vo vedeckých projektoch.

Názov univerzity/vysokej školy a fakulty: Ústav matematiky a statistiky, Přírodovědecká fakulta, Masarykova univerzita, Brno, ČR
Oblasť spolupráce: pedagogika a výskum
Sídlo spoločného pracoviska (ak je vytvorené):
Začiatok spolupráce: 2002
Zhodnotenie: Prednášky a výchova študentov.

Pozn.: uvádzajte len tie spolupráce, na ktoré má organizácia zmluvu resp. memorandum o zriadení spoločného pracoviska, resp. o vzájomnej spolupráci v konkrétnej oblasti výskumu

6.1.2. Spoločné pracoviská s inými organizáciami SAV

Názov organizácie: Ústav vied o Zemi SAV
Oblasť spolupráce: vedecko-výskumná činnosť, vzdelávanie
Sídlo spoločného pracoviska (ak je vytvorené): Ústavu vied o Zemi SAV (Ďumbierska 1, Banská Bystrica)
Začiatok spolupráce: 2019
Zhodnotenie: V roku 2019 sme zmluvne zriadili spoločné pracovisko 1) Fakulty prírodných vied UMB, Banská Bystrica, 2) Ústavu vied o Zemi SAV, 3) Matematického ústavu SAV, 4) Ústavu informatiky SAV a 5) Centra biológie rastlín a biodiverzity SAV, Botanický ústav SAV.

Pozn.: uvádzajte len tie spolupráce, na ktoré má organizácia zmluvu resp. memorandum o zriadení spoločného pracoviska, resp. o vzájomnej spolupráci v konkrétnej oblasti výskumu

6.2. Spoločné pracoviská organizácie s inými inštitúciami mimo SAV a VŠ

Pozn.: uvádzajte len tie spolupráce, na ktoré má organizácia zmluvu resp. memorandum o zriadení spoločného pracoviska, resp. o vzájomnej spolupráci v konkrétnej oblasti výskumu

6.3. Spoločné projekty s univerzitami a ostatnými inštitúciami mimo SAV

Názov projektu: Problémy ochrany informácií pre štátnu sféru SR
Agentúra:
číslo projektu:
Spolupracujúce inštitúcie: MO SR
Koordinátor projektu:
Začiatok spolupráce: 2013
Zhodnotenie: Rozpracované boli metódy ochrany informácií. Finančný prínos pre organizáciu 0 EUR.

Pozn.: uviesť konkrétne spoločné aj bilaterálne projekty na základe platnej zmluvy o spolupráci

6.4. Iné typy spoločných aktivít s inštitúciami mimo SAV

Slovenská legálna metrológia - spolupráca na riešení APVV projektu.

Slovenský metrologický ústav - spolupráca na riešení APVV projektu.

7. Aplikácia výsledkov výskumu v spoločenskej a hospodárskej praxi

7.1. Výsledky výskumu organizácie aplikované v praxi

7.2. Kontraktový – zmluvný výskum (vrátane zahraničných kontraktov)

Názov/účel kontraktového výskumu: Vývoj, počítačová implementácia a nasadenie v praxi algoritmov na odhaľovanie únikov plynu z potrubí
Zadávateľ výskumného kontraktu: ttc, s.r.o., Nitra
Začiatok spolupráce: 2004
Ukončenie spolupráce: trvá
Finančný prínos pre organizáciu (€): 0

7.3. Iné formy aplikácie výsledkov výskumu v spoločenskej a hospodárskej praxi

8. Aktivity pre Národnú radu SR, vládu SR, ústredné orgány štátnej správy SR a iné organizácie

8.1. Členstvo v poradných zboroch vlády SR, Národnej rady SR, ministerstiev SR, orgánoch EÚ, EP, NATO a pod.

Tabuľka 8a Členstvo v poradných zboroch Národnej rady SR, vlády SR, ministerstiev SR, orgánoch EÚ, EP, NATO a pod.

Meno pracovníka	Názov orgánu	Funkcia
doc. RNDr. Karol Nemoga, CSc.	Zbor expertov – ISEG, NATO	člen

8.2. Expertízna činnosť a iné služby pre štátnu správu a samosprávy

8.3. Členstvo v radách štátnych programov a podprogramov ŠPVV a ŠO

Tabuľka 8b Členstvo v radách štátnych programov a podprogramov ŠPVV a ŠO

Meno pracovníka	Názov orgánu	Funkcia

8.4. Prehľad aktuálnych spoločenských problémov, ktoré riešilo pracovisko v spolupráci s Kanceláriou prezidenta SR, s vládnymi a parlamentnými orgánmi alebo pre ich potrebu

9. Vedecko-organizačné a popularizačné aktivity

9.1.Vedecko-popularizačná činnosť

Tabuľka 9a Súhrnné počty vedecko-popularizačných činností organizácie SAV

Typ	Počet	Typ	Počet	Typ	Počet
prednášky/besedy	1	tlač	0	TV	0
rozhlas	0	internet	0	exkurzie	0
publikácie	0	multimediálne nosiče	0	dokumentárne filmy	0
iné	1				

9.2. Vedecko-organizačná činnosť

Tabuľka 9b Vedecko-organizačná činnosť

Názov podujatia	Domáca/ medzinárodná	Miesto	Dátum konania	Počet účastníkov
58. Letná škola z algebry a usporiadaných množín (SSAOS 2020)*	medzinárodná	Smižany	30.08.-05.09.2020	-
34. medzinárodná letná konferencia z teórie reálnych funkcii (Virtual ISCRFT 2020))	medzinárodná	--	07.09.-27.09.2020	45
Konferencie k NATO SPS projektu G5448 "Secure Communication in the Quantum Era"	medzinárodná	Smolenice	02.03.-04.03.2020	20

* - *Pre nepriaznivú pandemickú situáciu sa konferencia nakoniec neuskutočnila.*

9.3. Účasť na výstavách

9.4. Účasť v programových a organizačných výboroch národných konferencií

Tabuľka 9c Programové a organizačné výbory národných konferencií

Meno pracovníka	Programový	Organizačný	Programový i organizačný
Spolu			

9.5. Členstvo v redakčných radách časopisov

RNDr. Katarína Čunderlíková, PhD.

Notes on Intuitionistic Fuzzy Sets (funkcia: Editorial Board)

prof. RNDr. Anatolij Dvurečenskij, DrSc.

Acta Universitatis Palackianae Olomucensis, Facultas Rerum Naturalium, Mathematica (funkcia: člen redakčnej rady)
Indian Journal of Mathematics (funkcia: člen)

J. Algebraic Hyperstructures and Logical Algebras (funkcia: člen)
Mathematica Slovaca (funkcia: výkonný editor)
Military and Science (funkcia: člen redakčnej rady)
Obzory matematiky, fyziky a informatiky (funkcia: člen redakčnej rady)
Soft Computing (funkcia: editor)
Tatra Mountains Mathematical Publications (funkcia: člen redakčnej rady)

prof. RNDr. Michal Fečkan, DrSc.

Communications in Mathematical Analysis (funkcia: editor)
Differential Equations & Applications (funkcia: editor)
Discontinuity, Nonlinearity and Complexity (funkcia: editor)
Dynamics of Partial Differential Equations (funkcia: editor)
Electronic Journal of Qualititive Theory of Differential Equations (funkcia: editor)
Journal of Applied Mathematics (funkcia: editor)
Journal of Applied Mathematics, Statistics and Informatics (JAMSI) (funkcia: editor)
Journal of Modeling, Simulation, Identification, and Control (funkcia: editor)
Mathematica Slovaca (funkcia: editor)
Mathematical Notes, Miskolc University (funkcia: editor)

doc. RNDr. Roman Frič, DrSc.

Tatra Mountains Mathematical Publications (funkcia: člen redakčnej rady)

doc. RNDr. Ján Haluška, CSc.

Myšlienky a fakty, aperiodikum slovenských prírodovedcov a technikov, ISBN 978-80-89456-07-9 (funkcia: člen redakčnej rady)
Tatra Mountains Mathematica Publications (funkcia: člen redakčnej rady)

doc. RNDr. Ľubica Holá, DrSc.

Khayyam Journal of Mathematics (funkcia: člen redakčnej rady)
Mathematica Slovaca (funkcia: člen redakčnej rady)
Tatra Mountains Mathematical Publications (funkcia: člen redakčnej rady)

prof. RNDr. Juraj Hromkovič, DrSc.

Computing and Informatics (funkcia: člen)
Grammars (funkcia: člen)
Pokroky matematiky, fysiky a astronomie (funkcia: člen)
RAIRO- Theoretical Information and Applications (funkcia: člen)

RNDr. Stanislav Jakubec, DrSc.

Mathematica Slovaca (funkcia: redaktor pre algebraickú teóriu čísel)

prof. RNDr. Július Korbaš, CSc.

Mathematica Slovaca (funkcia: zodpovedný redaktor)

prof. RNDr. Roman Nedela, DrSc.

Acta Universitatis Mathiae Belii, Ser. Math. (funkcia: člen redakčnej rady)
Ars Mathematica Contemporanea (funkcia: člen redakčnej rady)
Tatra Mountains Mathematical Publications (funkcia: člen redakčnej rady)

doc. RNDr. Karol Nemoga, CSc.

Journal of Environmental Protection, Safety, Education and Management (funkcia: člen)
Tatra Mountains Mathematical Publications (funkcia: vedúci redaktor)
Zentralblatt MATH Slovak Unit (funkcia: výkonný redaktor)

Mgr. Branislav Novotný, PhD.

Tatra Mountains Mathematical Publications (funkcia: editor)

doc. PaedDr. Martin Papčo, PhD.

Obzory matematiky, fyziky a informatiky (OMFI) (funkcia: člen edičnej rady)

RNDr. Jozef Pócs, PhD.

Tatra Mountains Mathematical Publications (funkcia: editor)

doc. RNDr. Sylvia Pulmannová, DrSc.

Algebra Universalis (funkcia: člen)
International Journal of Theoretical Physics (funkcia: člen)
Mathematica Slovaca (funkcia: vedúci redaktor)
Tatra Mountains Mathematical Publications (funkcia: člen)

doc. RNDr. Oto Strauch, DrSc.

Uniform Distribution Theory (funkcia: výkonný redaktor)

prof. RNDr. Marian Vajteršic, DrSc.

Computing and Informatics (CAI) (funkcia: člen redakčnej rady)
International Journal of Computer Science & Information Technology Applications (IJCSITA) (funkcia: člen redakčnej rady)
Parallel Processing Letters (PPL) (funkcia: člen redakčnej rady)
Scalable Computing: Practice and Experience (SCPE) (funkcia: člen redakčnej rady)
Scientific Publications of the State University of Novi Pazar (funkcia: člen redakčnej rady)

prof. RNDr. Gejza Wimmer, DrSc.

Ekonomika a informácia (funkcia: člen)
Glottometrics (funkcia: člen)
Mathematica Slovaca (funkcia: člen)
Tatra Mountains Mathematical Publications (funkcia: člen)

RNDr. Tibor Žáčik, CSc.

Tatra Mountains Mathematical Publications (funkcia: výkonný redaktor)
Zentralblatt MATH Slovak Unit (funkcia: výkonný redaktor)

9.6. Činnosť v domácich vedeckých spoločnostiach

Mgr. Martin Bečka, PhD.

Slovenská informatická spoločnosť (funkcia: člen)

RNDr. Katarína Čunderlíková, PhD.

JSMF - Jednota slovenských matematikov a fyzikov (funkcia: člen)

prof. RNDr. Anatolij Dvurečenskij, DrSc.

Humboldtov klub (funkcia: člen)
Jednota slovenských matematikov a fyzikov (funkcia: člen výboru JSMF BA 1)
Učená spoločnosť SAV (funkcia: člen)

doc. RNDr. Roman Frič, DrSc.

Jednota slovenských matematikov a fyzikov (funkcia: člen)
Slovenská matematická spoločnosť (funkcia: člen)

doc. RNDr. Ján Haluška, CSc.

Jednota slovenských matematikov a fyzikov (funkcia: člen)
Slovenská matematická spoločnosť (funkcia: člen)

Ing. Michal Hospodár, PhD.

Slovenská matematická spoločnosť (funkcia: člen)

RNDr. Galina Jirásková, CSc.

Jednota slovenských matematikov a fyzikov (funkcia: člen)

RNDr. Martin Kochol, PhD., DSc.

Humboldtov klub na Slovensku (funkcia: člen)
Jednota slovenských matematikov a fyzikov (funkcia: člen)

prof. RNDr. Július Korbaš, CSc.

Jednota slovenských matematikov a fyzikov (funkcia: člen Výboru pobočky Bratislava 1)

Mgr. Peter Mlynárčik, PhD.

Jednota slovenských matematikov a fyzikov. (funkcia: člen)

doc. RNDr. Karol Nemoga, CSc.

Jednota slovenských matematikov a fyzikov (funkcia: člen)
SPNZ Slovenský plynárenský a naftový zväz (funkcia: člen)

Mgr. Eva Plávalová, PhD.

Slovenská astronomická spoločnosť pri Slovenskej akadémii vied (funkcia: člen terminologickej komisie)

doc. RNDr. Miroslav Repický, CSc.

Jednota slovenských matematikov a fyzikov (funkcia: člen)

prof. RNDr. Marian Vajteršic, DrSc.

Austrian Centre for Scientific Computing (ACSC) (funkcia: vedúci sekcie)
Humboldtov kluv v SR (funkcia: člen)
Jednota slovenskych matematikov a fyzikov (JSMF) (funkcia: člen)
Stiftungs- und Foerderungsgesellschaft der Paris-Lodron-Universität Salzburg (funkcia: člen)

prof. RNDr. Gejza Wimmer, DrSc.

JSMF (funkcia: člen výboru pobočky Bratislava I)

9.7. Iné dôležité informácie o vedecko-organizačných a popularizačných aktivitách

10. Činnosť knižnično-informačného pracoviska

10.1. Knižničný fond

Tabuľka 10a Knižničný fond

Knižničné jednotky spolu		**27 015**
z toho	knihy a zviazané periodiká	27 015
	audiovizuálne dokumenty	-
	elektronické dokumenty (vrátane digitálnych)	-
	mikroformy	-
	iné špeciálne dokumenty - dizertácie, výskumné správy	-
	Rukopisy, vzácne tlače	-
Počet titulov dochádzajúcich periodík		77
z toho zahraničné periodiká		67
Ročný prírastok knižničných jednotiek		114
v tom	kúpou	24
	darom	-
	výmenou	90
	bezodplatným prevodom	-
	náhradou	-
Úbytky knižničných jednotiek		-
Knižničné jednotky spracované automatizovane		-

*Výraz **„v tom“** označuje úplné (vyčerpávajúce) údaje, ktorých súčet sa musí rovnať údaju v riadku „spolu“, čiže nadradenému riadku.*
*Výraz **„z toho“** označuje neúplné (výberové) údaje, ktorých súčet sa nemusí rovnať údaju v riadku „spolu“.*

10.2. Výpožičky a služby

Tabuľka 10b Výpožičky a služby

Výpožičky spolu (riadok 1)		**36**
v tom z r. 1	prezenčné výpožičky	10
	absenčné výpožičky	26
v tom z r. 1	odborná literatúra pre dospelých	32
	výpožičky periodík	4
MVS iným knižniciam		-
MVS z iných knižníc		-
MMVS iným knižniciam		-
MMVS z iných knižníc		-
Počet vypracovaných bibliografií		-
Počet vypracovaných rešerší		45

10.3. Používatelia

Tabuľka 10c Používatelia

Registrovaní používatelia	35
Návštevníci knižnice spolu (bez návštevníkov podujatí)	20

10.4. Iné údaje

Tabuľka 10d Iné údaje

On-line katalóg knižnice na internete (1=áno, 0=nie)	0
Náklady na nákup knižničného fondu v €	2 926,57

10.5. Iné informácie o knižničnej činnosti

V roku 2020 bol zabezpečený voľný prístup do matematickej databázy Zentralblatt MATH (FIZ Karlsruhe GmbH) ako súčasť práce Slovenskej jednotky redakcie, ktorú zabezpečuje Matematický ústav SAV.

11. Aktivity v orgánoch SAV

11.1. Členstvo vo Výbore Snemu SAV

doc. RNDr. Karol Nemoga, CSc.

- člen

11.2. Členstvo v Predsedníctve SAV a vo Vedeckej rade SAV

11.3. Členstvo vo vedeckých kolégiách SAV

prof. RNDr. Anatolij Dvurečenskij, DrSc.

- VK SAV pre matematiku, fyziku a informatiku (člen)

doc. RNDr. Roman Frič, DrSc.

- VK SAV pre matematiku, fyziku a informatiku (člen)

doc. RNDr. Ľubica Holá, DrSc.

- VK SAV pre matematiku, fyziku a informatiku (predseda)

11.4. Členstvo v komisiách SAV

prof. RNDr. Anatolij Dvurečenskij, DrSc.

- Komisia SAV pre posudzovanie vedeckej kvalifikácie zamestnancov (člen)
- Komisia SAV pre rovnosť príležitostí (člen)
- Rada SAV pre vzdelávanie a doktorandské štúdium (člen)

doc. RNDr. Karol Nemoga, CSc.

- Edičná rada SAV (Podpredseda Edičnej rady)
- Komisia SAV pre duševné vlastníctvo, inovácie a technologický transfer (člen)
- Komisia SAV pre ekonomické otázky (člen)
- Komisia SAV pre medzinárodnú vedecko-technickú spoluprácu (člen)
- Komisia SAV pre spoluprácu s vedeckými spoločnosťami (člen)

11.5. Členstvo v orgánoch VEGA

prof. RNDr. Michal Fečkan, DrSc.

- Komisia VEGA č. 1 pre matematické vedy, počítačové a informatické vedy a fyzikálne vedy (člen)

Mgr. Anna Jenčová, DrSc.

- Komisia VEGA č. 1 pre matematické vedy, počítačové a informatické vedy a fyzikálne vedy (člen)

doc. Ing. Gabriel Okša, CSc.

- Komisia VEGA č. 1 pre matematické vedy, počítačové a informatické vedy a fyzikálne vedy (člen komisie)

12. Hospodárenie organizácie

Poznámky ku tabuľkám:

1. KTG 640 zahŕňa aj výdavky ako sú napr. osobné (odstupné a odchodné a náhrada pri práceneschopnosti) vyplatené zamestnancom, platby za členské poplatky do tuzemských a medzinárodných organizácií a pod.
2. Doplnené sú údaje o ŠF.
3. Doplnené boli údaje Program Štipendium SAV a VTS (účelovo poskytované prostriedky z rozpočtu SAV).
4. Údaje v zdrojoch financovania sú rozšírené. Rozlišujú sa minulé a nové príjmy. Rozlišujú sa celkove použité zdroje, výdavky a zdroje.

12.1. Výdavky organizácie

Tabuľka 12a Výdavky organizácie (skutočnosť k 31. 12. 2020 v € zaokrúhlené)

Typ organizácie (RO)		**Zdroje, z ktorých sa kryli jednotlivé výdavky**					
Výdavky	**Spolu**	**Kapitola SAV (111)**	**Iné štátne a verejné zdroje**	**Medzinárodné grantové projekty**	**ŠF EÚ vr. fin. zo ŠR**	**Ostatné**	**% krytia z kapitoly SAV**
1. Bežné výdavky	**1 575 125**	**1 331 150**	**64 865**	**12**	**174 150**	**4 948**	**84,51**
z toho: mzdy (610)	**979 903**	858 031	17 391	-	104 481	-	87,56
vedecká výchova štipendiá (640)	**45 714**	45 714	-	-	-	-	100
poistné a príspevok do poisťovní (620)	**329 812**	287 561	5 786	-	36 465	-	87,19
tovary a služby (630)	**211 813**	138 113	35 536	12	33 204	4 948	65,21
transfery partnerom projektov (640)	**7 883**	1 731	6 152	-	-	-	21,96
2. Kapitálové výdavky	**0**	**0**	**0**	**0**	**0**	**0**	**0**
z toho: obstarávanie kapitálových aktív	**0**	-	-	-	-	-	-
kapitálové transfery	**0**	-	-	-	-	-	-

12.2. Zdroje financovania organizácie

Tabuľka 12b Zdroje financovania organizácie (skutočnosť k 31. 12. 2020 v € zaokrúhlené)

Typ organizácie (RO)	**Z toho kategórie**							
Zdroje	**Príjmy celkom**	**Z toho prenesené z minulých období**	**Spolu výdavky**	**Kapitálové zdroje**	**Zdroje na mzdy (610)**	**Zdroje na odvody do poisťovní (620)**	**Zdroje na tovary a služby (630)**	**zdroje na transfery (640)**
Matematický ústav celkom	**2 027 886**	**35 028**	**1 575 125**	**0**	**979 903**	**329 812**	**211 813**	**53 597**
1. kapitola SAV (111)	**1 331 150**	**0**	**1 331 150**	**0**	**858 031**	**287 561**	**138 113**	**47 445**
z toho: VEGA	**57 469**	**0**	**57 469**	**-**	**-**	125	56 986	358
MVTS výskumné projekty	**20 000**	**0**	**20 000**	**-**	**-**	867	19 133	**-**
SASPRO/MOREPRO	**0**	**0**	**0**	**-**	**-**	**-**	**-**	**-**
VTS	**3 700**	**0**	**3 700**	**-**	**-**	**-**	3 700	**-**
Program Štipendium SAV	**40 000**	**0**	**40 000**	**-**	18 525	6 475	15 000	**-**
Vydávanie časopisov	**8 975**	**0**	**8 975**	**-**	**-**	185	8 790	**-**
Vedecká výchova (štipendiá)	**45 714**	**0**	**45 714**	**-**	**-**	**-**	**-**	45 714
Teplo – TÚV	**3 439**	**0**	**3 439**	**-**	**-**	**-**	3 439	**-**
OTAS (630)	**33 383**	**0**	**33 383**	**-**	**-**	3 024	28 986	1 373
Zdroje mimo SAV (72c, 11O3, 11S1, 3AA1, 3AA2)	**696 736**	**35 028**	**243 974**	**0**	**121 872**	**42 250**	**73 700**	**6 152**
2. ŠF EÚ vr. fin. zo ŠR	**614 588**	**21 563**	**174 150**	**0**	**104 481**	**36 465**	**33 204**	**0**
ITMS Kvant[1], Zdravie[2]	**593 026**	**0**[3]	**161 083**	**-**	104 481	36 465	20 137	**-**
QUTE	**21 563**	**21 563**	**13 067**	**-**	**-**	**-**	13 067	**-**

Tabuľka 12b (pokr.) Zdroje financovania organizácie (skutočnosť k 31. 12. 2020 v € zaokrúhlené)

Typ organizácie (RO)	**Z toho kategórie**							
Zdroje	**Príjmy celkom**	**Z toho prenesené z minulých období**	**Spolu výdavky**	**Kapitálové zdroje**	**Zdroje na mzdy (610)**	**Zdroje na odvody do poisťovní (620)**	**Zdroje na tovary a služby (630)**	**Zdroje na transfery (640)**
3. medzinárodné grantové projekty	**12**	**12**	**12**	**0**	**0**	**0**	**12**	**0**
z toho: H2020	**12**	**12**	**12**	**-**	**-**	**-**	12	**-**
4. iné štátne a verejné zdroje (spolu)	**64 865**	**0**	**64 865**	**0**	**17 391**	**5 786**	**35 536**	**6 152**
z toho: APVV	**64 865**	**0**	**64 865**	**-**	17 391	5 786	35 536	6 152
podpora z kapitoly MŠVVaŠ SR (stimuly)	**0**	**0**	**0**	**-**	**-**	**-**	**-**	**-**
5. ostatné zdroje	**17 271**	**13 454**	**4 948**	**0**	**0**	**0**	**4 948**	**0**
z toho: príjmy z prenájmu	**0**	**0**	**0**	**-**	**-**	**-**	**-**	**-**
príjmy z podnikateľskej činnosti	**9 745**	**9 745**	**0**	**-**	**-**	**-**	**-**	**-**
príjmy z expertnej činnosti a služieb[4]	**7 525**	**3 708**	**4 948**	**-**	**-**	**-**	4 948	**-**

[1] – ITMS-2014+: NFP313010T683: Matematická podpora kvantových technológií
[2] – ITMS-2014+: NFP313010T634: Výskum v oblasti analýzy heterogénnych dát za účelom predikcie zmeny zdravotného stavu chronických pacientov
[3] – Viazanie vo výške 431 943,24,- EUR
[4] – Vrátane organizácie konferencií

13. Nadácie a fondy pri organizácii SAV

14. Iné významné činnosti organizácie SAV

Od. 1.7.2011 sa spojili komisie pre obhajobu doktorských dizertačných prác, takže dnes existujú už len tri stále matematické komisie pre obhajobu DrSc. V r. 2017 bol vymenovaný prof. RNDr. A. Dvurečenskij, DrSc. za predsedu ad hoc komisie pre obhajoby doktorských dizertačných prác v odbore vedy a techniky 010108 Pravdepodobnosť a matematická štatistika. V roku 2020 neprebehla žiadna obhajoba v tejto komisii. V roku 2021 predpokladáme podanie jednej doktorskej práce z radov pracovníkov ústavu.

Matematický ústav SAV sa venuje aktívne aj publikovaniu vedeckých matematických časopisov. Najväčšiu tradíciu má Mathematica Slovaca, časopis vydávaný už od roku 1951; je to medzinárodný (medzinárodná redakčná rada má 39 členov, z toho 18 zahraničných) a recenzovaný (karentovaný AMS) časopis, indexovaný v databáze SCI a SCOPUS. V roku 2008 prevzalo distribúciu časopisu vydavateľstvo Springer-Verlag (2007 - 2014) v spolupráci so spoločnosťou Versita, od roku 2015 spoločnosť De Gruyter, ktorá prevzala/zakúpila spoločnosť Versita. Po obsahovej stránke tento časopis uverejňuje práce zo všetkých oblastí základného matematického výskumu.

V r. 2007 začal byť časopis Mathematica Slovaca indexovaný v databáze SCI (Expanded), pričom do tejto databázy boli spätne pridané aj vydania od č. 1 za rok 2007. Podobne začal byť od roku 2008 tento časopis indexovaný v databáze SCOPUS. Časopis prešiel od 600 strán formátu B5 a 48 článkov (2007) ku dnešným 1500 stranám formátu A4 s asi 130 článkami.

Vyše 75 % prác je zamietnutých (z viac ako 550 zaslaných). V r. 2010 Mathematica Slovaca získala IF= 0,308 a v r. 2011 sa IF zvýšil na 0,316. Súčasný impakt faktor je IF(2019)=0,654, päťročný impakt faktor 0,545 a je v 3. kvartile v sekcii matematika. V databáze Scopus má časopis SJR=0,397 (Scimago Journal Ranking) a je v 3. kvartile.

Aj keď distribúcia časopisu prostredníctvom vydavateľstva Springer-Verlag spôsobila redukciu výmeny časopisu (vydavateľstvo Springer-Verlag bol výhradný distribútor v období 2008-2014), dosiahli sme významne väčšie rozšírenie časopisu medzi čitateľov. Rovnako, pre našich pracovníkov je najvýznamnejší prístup ku informáciám v elektronickej forme. Od roku 2000 má časopis svoju vlastnú internetovú stránku, kde sú všetky informácie, abstrakty článkov od roku 1993. Adresa je http://maslo.mat.savba.sk. Adresa časopisu na stránkach spoločnosti Springer je

http://www.springer.com/journal/12175

alebo

http://www.springerlink.com/content/1337-2211.

Adresa časopisu na stránkach spoločnosti Versita bola

http://www.versita.com/science/mathematics/maslo.

Od roku 2016 je distribútorom časopisu vydavateľstvo De Gruyter a adresa časopisu je

http://www.degruyter.com/view/j/ms,

odkiaľ je prístup aj na predchádzajúce čísla (2007-2015). Elektronický prístup k starším ročníkom 1 (1957) - 57 (2007) je na českej elektronickej knižnici:

http://dml.cz/handle/10338.dmlcz/134237.

Ďalší časopis vydávaný ústavom Tatra Mountains Mathematical Publications vznikol v r. 1992 a vydávame ho v spolupráci s niektorými vysokými školami. Publikujú sa v ňom pôvodné vedecké práce zo všetkých oblastí matematického výskumu, ale vo forme monotematických čísel.

Časopis má medzinárodnú redakčnú radu (35 členov, z toho 10 zahraničných). Aj tento časopis je recenzovaný a karentovaný. Doteraz vyšlo 77 zväzkov. Od zväzku 15 sú niektoré zväzky časopisu zaradené do Current Contents - Index to Scientific Book Contents CC / Physical, Chemical and Earth Sciences. Od roku 2000 má časopis svoju vlastnú internetovú stránku, kde sú všetky informácie, abstrakty článkov od roku 1992. Od vol. 41 v r. 2008 je indexovaný v databáze WOS (Web of Science) a CPCI (Conference Proceedings Citation Index). Od r. 2011 je tento časopis indexovaný aj v databáze Scopus. Jeho SJR (Scimago Journal Ranking) má hodnotu 0,214 a je v 3. kvartile.

Ústav získava (predajom, resp. výmenou za tento časopis) časť svojich informačných zdrojov. Adresa je http://tatra.mat.savba.sk. Časopis je od roku 2009 distribuovaný ako Open Access aj spoločnosťou De Gruyter Sciendo s WEB stránkou http://www.degruyter.com/view/j/tmmp.

V roku 2006 začal ústav vydávať časopis Uniform Distribution Theory. V roku 2019 vyšiel 14. ročník. Adresa je http://udt.mat.savba.sk a http://www.boku.ac.at/MATH/udt. Časopis vydávame spolu s BOKU University vo Viedni. Je to vysoko špecializovaný vedný časopis, ktorý uverejňuje prevažne príspevky zahraničných autorov (95 percent). V roku 2016 sa dohodla jeho distribúciu aj cez spoločnosť De Gruyter Sciendo na adrese
https://content.sciendo.com/view/journals/udt/udt-overview.xml.

Ústav je sídlom slovenskej časti redakcie významného svetového referatívneho časopisu Zentralblatt MATH. Redakčne pripravuje abstrakty dohodnutých periodík ako sú Mathematica Slovaca, Tatra Mountains Mathematical Publications, Acta Mathematica Universitatis Comenianae, Uniform Distribution Theory a Computing and Informatics. Zapájame sa tak do celoeurópskej spolupráce a získava prístup do významnej databázy matematických poznatkov ZentralBlatt MATH.

Matematický ústav SAV sa spolu s Jednotou slovenských matematikov a fyzikov a Fakultou prírodných vied Univerzity Konštantína Filozofa v Nitre podieľa na príprave časopisu Obzory matematiky, fyziky a informatiky (ISSN: 1335-4981). Tento časopis je určený hlavne pre stredoškolských učiteľov matematiky, fyziky a informatiky.

Vydávanie (resp. spolupráca pri vydávaní) uvedených časopisov spolu s udržiavaním časopiseckej i knižnej vedeckej knižnice je popri vedeckej produkcii azda najvýznamnejšou aktivitou, ktorou ústav prispieva tak do pokladnice národnej kultúry ako aj medzinárodnej vedeckej spolupráce a vzájomného porozumenia.

15. Vyznamenania, ocenenia a ceny udelené pracovníkom organizácie v roku 2020

15.1. Domáce ocenenia

15.1.1. Ocenenia SAV

15.1.2. Iné domáce ocenenia

15.2. Medzinárodné ocenenia

16. Poskytovanie informácií v súlade so zákonom č. 211/2000 Z. z. o slobodnom prístupe k informáciám v znení neskorších predpisov (Zákon o slobode informácií)

Matematický ústav SAV z pohľadu zákona č. 211/2000 Z.z.
o slobodnom prístupe k informáciám

Podmienky, postup a rozsah slobodného prístupu občanov k informáciám vymedzeného v čl. 26, 45 a 34 Ústavy Slovenskej republiky a v čl. 17, 25 a 35 Listiny základných práv a slobôd ustanovuje zákon č. 211/2000 Z. z. o slobodnom prístupe k informáciám spolu s jeho novelizáciami platnými od 2. januára 2006 v podobe zákona č. 628/2005 Z. z., ktorým sa mení a dopĺňa zákon č. 211/2000 Z. z. o slobodnom prístupe k informáciám v znení zákona č. 747/2004 Z. z. a o zmene niektorých zákonov. V tomto zákone je uvedený rozsah povinností tzv. povinnej osoby (§ 2 citovaného zákona) pri informovaní žiadateľov o informácie (§ 4 citovaného zákona), ale i postup pri poskytovaní informácií podľa tohto zákona.

V zmysle zákona č. 211/2000 Z. z. je Matematický ústav SAV povinný zverejňovať informácie uvedené v § 3 ods. 2 a § 5 ods. 1 citovaného zákona (povinné zverejňovanie informácií) a ďalšie informácie na žiadosť.
V zmysle citovaného zákona uverejňuje Matematický ústav SAV tieto informácie:

Spôsob zriadenia povinnej osoby, jej právomoci a kompetencie a popis organizačnej štruktúry

Matematický ústav SAV (ďalej len MÚ SAV) je právnickou osobou zriadenou na základe zákona č. 74/1963 Zb. o Slovenskej akadémii vied v znení

- zákona č. 43/1970 Zb.,
- zákona č. 92/1977 Zb.,
- zákona č. 7/1990 Zb.,
- zákona č. 291/1992 Zb.,
- zákona č. 11/1993 Z.z.,
- zákona č. 75/1995 Z.z.

Názov organizácie:	Matematický ústav SAV
Sídlo MÚ SAV:	Bratislava, Štefánikova 49, 814 73 Bratislava
Identifikačné číslo:	166791
Forma hospodárenia:	rozpočtová organizácia
Dátum zriadenia:	01.03.1959
Označenie štatutárneho orgánu:	riaditeľ

MÚ SAV je vedecká inštitúcia SR prispievajúca k rozvoju základného výskumu v matematike (najmä logika a teória množín, teória čísel, algebraické a topologické štruktúry, kvantové štruktúry diskrétna matematika, reálna a funkcionálna analýza, dynamické systémy, pravdepodobnosť a matematické štatistika). V informatike sa zameriava na rozvoj teórie algoritmov a výpočtovej zložitosti a na teoretické aspekty formálnych jazykov, automatov a výpočtových systémov. Podieľa sa na pedagogickom procese na vysokých školách. Ústav uskutočňuje doktorandské štúdium v zmysle platných právnych predpisov. Participuje na medzinárodnej vedecko-technickej spolupráci, spolupracuje vo výskume a vzdelávaní s vysokými školami a rezortnými výskumnými a vzdelávacími inštitúciami a právnickými osobami z oblasti výroby a služieb.

Ústav poskytuje poradenské a ďalšie expertízne služby, súvisiace s hlavnou činnosťou organizácie.

Ústav zabezpečuje publikáciu súvisiacu s vedecko–výskumnou činnosťou prostredníctvom periodickej a neperiodickej tlače. Vydávanie periodickej tlače sa riadi usmerneniami Predsedníctva SAV.

Organizačná štruktúra MÚ SAV:

- Matematický ústav SAV, Štefánikova 49, 814 73 Bratislava
- Oddelenie informatiky MÚ SAV, Dúbravská cesta 9, 841 04 Bratislava
- Detašované pracovisko MÚ SAV, Grešákova 6, 040 01 Košice
- Inštitút matematiky a informatiky MÚ SAV, Ďumbierska 1, 974 11 Banská Bystrica

Orgány MÚ SAV:

- Vedecká rada MÚ SAV
- rada riaditeľa MÚ SAV.

Činnosť ústavu sa riadi Organizačným poriadkom MÚ SAV a Pracovným poriadkom MÚ SAV.

Financovanie MÚ SAV:

MÚ SAV je financovaný z rozpočtovej kapitoly štátneho rozpočtu, ktorej správcom je SAV. Práva a povinnosti MÚ SAV pri správe a nakladaní s majetkom štátu sú stanovené zákonom č. 278/1993 Z.z. o správe majetku štátu v znení neskorších predpisov. MÚ SAV hospodári s rozpočtovými prostriedkami a s prostriedkami prijatými od iných subjektov v zmysle zákona č. 303/1995 Z.z. v znení neskorších predpisov.

Ďalšími zdrojmi financovania pracoviska sú

- prostriedky štátneho rozpočtu získané na základe účasti vo verejnej súťaži vypísanej na účelové financovanie úloh výskumu a vývoja
- príjmy z vlastnej činnosti
- prostriedky z medzinárodných programov výskumu a vývoja

Organizačná štruktúra ústavu: na internetovej stránke www.mat.savba.sk/struktura.php

MÚ SAV je povinné zverejňovať aj

- označenie nehnuteľnej veci a hnuteľnej veci vo vlastníctve štátu, ktorej nadobúdacia cena bola vyššia ako 20-násobok minimálnej mzdy (§2 ods. 1 písm. b) zákona č. 90/1996 Z. z. o minimálnej mzde), ktorú MÚ SAV previedol do vlastníctva, alebo ktorá prešla do vlastníctva inej osoby než orgánu verejnej moci
- dátum prevodu alebo prechodu vlastníctva a právny titul
- informácie o osobných údajoch a iných identifikačných údajoch osôb, ktoré nadobudli tento majetok do vlastníctva, a to v rozsahu: a) meno a priezvisko, názov alebo obchodné meno; b) adresa pobytu alebo sídlo; c) identifikačné číslo, ak ide o právnickú osobu alebo fyzickú osobu –podnikateľa.

Za nadobúdaciu cenu na účely zverejnenia sa považujú, ak ide o vlastné zhotovenie, náklady na zhotovenie, a ak ide o bezodplatné nadobudnutie, cena obvyklá za obdobnú vec v mieste a čase nadobudnutia.

Uvedené informácie sa zverejňujú najmenej po dobu jedného roka odo dňa, keď došlo k prevodu alebo prechodu vlastníctva.

Tým nie je dotknutá povinnosť sprístupniť túto informáciu aj po uplynutí tejto doby.

Miesto, čas a spôsob akým možno získať informácie; informácie o tom, kde možno podať žiadosť, návrh, podnet, sťažnosť alebo iné podanie:

(1) Povinne zverejňované informácie možno získať na internetovej stránke www.mat.savba.sk (www.sav.sk), na informačnej tabuli MÚ SAV (Štefánikova 49, Bratislava)

(2) Nezverejnenú informáciu ústav sprístupní na základe žiadosti o sprístupnenie informácie (ďalej len „žiadosť"). Žiadosť môže žiadateľ podať písomne, ústne, faxom, elektronickou poštou alebo iným technicky vykonateľným spôsobom. Zo žiadosti musí byt zjavné, kto ju podáva, ktorých informácií sa týka a aký spôsob sprístupnenia informácie žiadateľ navrhuje.

(3) Informácia môže byť sprístupnená
a. ústne,
b. nahliadnutím do spisu s možnosťou vyhotoviť si odpis alebo výpis v sídle ústavu,
c. odkopírovaním informácií na technický nosič dát,
d. sprístupnením kópií predlôh s požadovanými informáciami,
e. telefonicky, f. faxom,
g. poštou,
h. e-mailom,
i. odkazom na už zverejnenú informáciu.

Informácia sa sprístupňuje formou určenou žiadateľom a až keď nie je možné ju sprístupniť touto formou, po dohode so žiadateľom nasledujú iné možnosti. Prihliada sa pritom na charakter informácie, spôsob podania žiadosti a tiež na technické možnosti ústavu.

(4) Na základe žiadosti musí ústavu sprístupniť všetky informácie, ktoré má k dispozícii, predovšetkým informácie týkajúce sa hospodárenia s verejnými prostriedkami a nakladania s majetkom štátu, pričom ústav musí prijať, zaevidovať a vybaviť každú žiadosť, návrh alebo iné podanie.

(5) Ústav žiadosť vybaví najneskôr do osem pracovných dní od jej podania, v odôvodnených prípadoch sa táto lehota predlžuje o ďalších 8 pracovných dní. Ak nie je možné dodržať osemdňovú lehotu, ústav to bezodkladne, najneskôr pred uplynutím osemdňovej lehoty oznámi žiadateľovi písomne s uvedením dôvodov, ktoré viedli k predĺženiu lehoty.

(6) Závažnými dôvodmi predĺženia lehoty, najviac o osem pracovných dní sú:

- vyhľadávanie a zber väčšieho počtu oddelených alebo odlišných informácií požadovaných na sprístupnenie v jednej žiadosti,
- vyhľadávanie a zber väčšieho počtu oddelených alebo odlišných informácií požadovaných na sprístupnenie žiadosti,
- preukázateľné technické problémy spojené s vyhľadávaním a sprístupňovaním informácie, o ktorých možno predpokladať, že ich možno odstrániť v rámci predĺženej lehoty.

(7) Žiadosť o sprístupnenie informácie možno podať :

- ústne alebo písomne na adresu:

Matematický ústav SAV Štefánikova 49, 814 73 Bratislava

- telefonicky na telefónnom čísle : 02 / 5751 0414
- faxom na faxové spojenie : 02 / 5249 7316
- e-mailom na adresu : mathinst@mat.savba.sk

Postup ústavu pri vybavovaní žiadostí, návrhov, a iných podaní, vrátane lehôt, ktoré je nutné dodržať

(1) Za včasné a pravdivé poskytnutie informácií a vybavovanie žiadostí je zodpovedný Matematický ústav SAV.

(2) Evidenciu všetkých podaných žiadostí vedie Matematický ústav SAV.

(3) Evidencia obsahuje predovšetkým :

- dátum podania žiadosti,
- obsah žiadosti, formu podania (napr. písomne, faxom, elektronickou poštou) a navrhovaný spôsob sprístupnenia informácie,
- výsledok, formu a dátum vybavenia žiadosti (napr. poskytnutie informácie kompletnej alebo čiastočnej, forma poskytnutia informácie, výzva na doplnenie, rozhodnutie o neposkytnutí, neposkytnutie bez vydania rozhodnutia, odloženie veci, postúpenie inému orgánu),
- opravný prostriedok (dátum podania a výsledok vybavenia).

(4) Žiadosť je podaná dňom, keď došla ústavu.

(5) Na žiadosť žiadateľa ak ústav písomne potvrdí podanie žiadosti a oznámi predpokladanú výšku úhrady za sprístupnenie informácie.

(6) Ak predmetom žiadosti je získanie informácií, ktoré už boli zverejnené, MÚ SAV, môže bez zbytočného odkladu, najneskôr však do piatich dní od podania žiadosti, namiesto sprístupnenia informácií žiadateľovi oznámiť údaje, ktoré umožňujú vyhľadanie a získanie zverejnenej informácie.

(7) Ak žiadosť nemá predpísané náležitosti, ústav bezodkladne vyzve žiadateľa, aby v určenej lehote, ktorá nesmie byť kratšia ako sedem dní, neúplnú žiadosť doplnil. Poučí žiadateľa aj o tom, ako treba doplnenie urobiť. Ak napriek výzve ústavu žiadateľ žiadosť nedoplní a informáciu nemožno pre tento nedostatok sprístupniť, ústav žiadosť odloží bez vydania rozhodnutia, o čom vo výzve na doplnenie upozorní žiadateľa.

(8) Ak ústav nedisponuje požadovanými informáciami, žiadosť postúpi do piatich dní od jej podania príslušnej povinnej osobe, ak je jej známa. Lehota na vybavenie žiadosti začína plynúť znovu dňom, keď povinná osoba dostala postúpenú žiadosť.

Ak takáto povinná osoba nie je známa, ústav vydá do ôsmych pracovných dní od podania žiadosti rozhodnutie o jej odmietnutí.

(9) Odpoveď na žiadosť zasiela žiadateľovi MÚ SAV. Odpoveď podpisuje riaditeľ MÚ SAV.

(10) Žiadosť s dokumentáciou sa po vybavení ukladá na MÚ SAV. O sprístupnení informácie sa urobí rozhodnutie zápisom v spise. Spis musí obsahovať všetky písomnosti týkajúce sa vybavovania žiadosti, vrátane informácie o spôsobe vybavenia. Všetky písomnosti založené v spise musia byt označené číslom z centrálnej evidencie.

(11) V prípade, ak sa žiadosti nevyhovie, hoci len sčasti, vydá sa v lehote ôsmych pracovných dní písomné rozhodnutie o odmietnutí poskytnúť informáciu. Rozhodnutie sa nevydá, ak žiadosť bola odložená (§14 ods. 3).

(12) Rozhodnutie o odmietnutí poskytnúť informáciu sa vydáva z dôvodu:
a. ustanoveného obmedzenia prístupu k informáciám (§ 8 až 11 zákona),
b. keď nie je známa taká povinná osoba, ktorá disponuje požadovanými informáciami (§ 15 ods. 1 zákona).

(13) Rozhodnutie o odmietnutí poskytnúť informáciu sa nevydáva len v prípade, ak bola žiadosť odložená pre neodstránenie jej nedostatkov aj napriek predchádzajúcej výzve.

Miesto, lehota a spôsob podania opravného prostriedku a možnosti súdneho preskúmania rozhodnutia:

1. Proti rozhodnutiu ústavu o odmietnutí požadovanej informácie možno podať odvolanie v lehote 15 dní od doručenia rozhodnutia alebo márneho uplynutia lehoty na rozhodnutie o žiadosti. Odvolanie sa podáva ústavu.
2. O odvolaní proti rozhodnutiu ústavu rozhoduje riaditeľ ústavu, na základe vyjadrenia komisie, ktorú na tento účel ustanovil.
3. Riaditeľ rozhodne o odvolaní do 15 dní od jeho doručenia. Ak riaditeľ ústavu v tejto lehote nerozhodne, predpokladá sa, že vydal rozhodnutie, ktorým odvolanie zamietol a napadnuté rozhodnutie potvrdil; za deň doručenia tohto rozhodnutia sa považuje druhý deň po uplynutí lehoty na vydanie rozhodnutia.
4. Rozhodnutie o odmietnutí žiadosti možno preskúmať v súdnom konaní podľa zákona č. § 244 až 250 Občianskeho súdneho poriadku.

Sadzobník úhrad za sprístupnenie informácií

Informácie sa sprístupňujú bezplatne s výnimkou úhrady vo výške, ktorá nesmie prekročiť sumu materiálnych nákladov spojených so zhotovením kópií, so zadovážením technických nosičov a s odoslaním informácie žiadateľovi. Ústav odpustí úhrady nepresahujúce 0,66,- EUR (20,- Sk).

Internet	zadarmo
Rozmnoženie 1 ČB strany	0.03,- EUR (1,- Sk)
Rozmnoženie 1 farebnej strany	0,10,- EUR (3,- Sk)
Na diskete	0,50,- EUR (15,- Sk)
Na CD nosiči	1,33,- EUR (40,- Sk)

Prehľad všeobecne záväzných právnych predpisov, pokynov, inštrukcií, výkladových stanovísk a interných normatívnych aktov, podľa ktorých ústav koná a rozhoduje

1. zákon č. 74/1963 Zb. o Slovenskej akadémii vied v znení neskorších predpisov
2. zákon NR SR č. 278/1993 Z.z. o správe majetku štátu v znení neskorších predpisov
3. Matematický ústav 3. zákon NR SR č. 303/ 1995 Z.z. o rozpočtových pravidlách v znení neskorších predpisov
4. zákon č. 172/1990 Zb. o vysokých školách v znení neskorších predpisov
5. zákon č. 53/1964 Zb. o udeľovaní vedeckých hodností a o štátnej komisii pre vedecké hodnosti v znení neskorších predpisov
6. zákon č. 39/1977 Zb. o výchove nových vedeckých pracovníkov a o ďalšom zvyšovaní kvalifikácie v znení neskorších predpisov
7. vyhláška Československej akadémie vied č. 55/1977 Zb. o ďalšom zvyšovaní kvalifikácie a o hodnotení tvorivej spôsobilosti vedeckých pracovníkov
8. ostatné interné smernice / na internetovej stránke už sú uverejnené

17. Problémy a podnety pre činnosť SAV

Oproti roku 2019 sme zvýšili prepočítaný stav pracovníkov o 3,12, z toho 2,23 vedeckí pracovníci. To bolo dosiahnuté návratom jednej vedeckej pracovníčky z rodičovskej dovolenky, prijatím dvoch vedeckých pracovníkov, z toho jedného v poslednom štvrťroku na ústavný projekt modelovania pandémie COVID-19 a úpravou úväzkov.

Vek pracovníkov sa zvýšil o niečo viac ako 1 rok. Vzhľadom na prijatie nových a mladších pracovníkov to bolo spôsobené tým, že v stave zamestnancov už neboli niektorí doktorandi.

V hospodárení organizácie sa prejavilo výrazne jednak zvýšenie prostriedkov zo štátneho rozpočtu o celkove 12,88 % (v roku 2019 to bolo 14,28 %) a tiež získanie prostriedkov zo ŠF. Celkove sa výdavky organizácie zvýšili až o 24,08 % oproti roku 2019 (v roku 2019 to bolo 12,71 %).

V oblasti miezd sme zaznamenali výrazný rast o 29,09 % (18,67 % v roku 2019). Z rozpočtových zdrojov to bolo 15,85 %, zvyšných 13 % bolo pokrytých rastom mimorozpočtových zdrojov. Keď to zosumarizujeme, rast bol zabezpečený

- valorizácia miezd,
- vynikajúce výsledky vo výkonovom financovaní SAV, kde bol vyčíslený výkon voči rozpočtu na 128 % (najviac v 1. Oddelení vied SAV, tretí v SAV za Ústavom polymérov a Ústavom etnológie a sociálnej antropológie SAV),
- rast mimorozpočtových zdrojov.

V tovaroch a službách sme zaznamenali rast o 3,35 % oproti roku 2019 zo zdroja 111, t.j. rozpočtu. Celkový bol rast o 8,4 % vďaka 11,3,4 % rastu v mimorozpočtových zdrojoch (APVV a ŠF).

V APVV sme zaznamenali ďalší pokles o 13,8 % voči roku 2019. Zaznamenali sme nárast počtu APVV grantov, ale v tejto oblasti musíme úsilie ešte zvýšiť.

V projektoch VEGA sme zaznamenali pokles o 7,5 %, ktorý bol spôsobený ďalším znížením kapacity riešiteľov.

Z finančného hľadiska bol rok 2020 veľmi úspešný, hlavne v oblasti miezd (+29,09 %). Bolo to hlavne vďaka zvýšenému rozpočtu a získaniu prostriedkov zo ŠF.

Vzhľadom na očakávaný pokles prostriedkov z rozpočtu v roku 2021 predpokladáme, že sa nám podarí udržať mzdy vo výške roku 2020 z prostriedkov získaných zo ŠF.

Za veľmi dôležitý považujeme prechod na vvi v najkratšom možnom termíne, najlepšie 1. 1. 2022.

Vysoko hodnotíme stále trvajúci prístup ku vedeckým informáciám. V ďalších rokoch je nevyhnutné zabezpečiť centrálne dohody s veľkými vydavateľstvami typu „read and publish“, aby sme zabezpečili publikovanie Open Access za výhodných podmienok.

Matematický ústav SAV zabezpečil prístup do databázy Zentralblatt MATH, Nemecko. Prístup do databázy sekundárnych informačných údajov MathSci, USA sme pre nedostatok prostriedkov v roku 2018 neobnovili.

Matematický ústav venuje veľkú pozornosť popularizácii matematiky a matematických výsledkov. Popularizačná aktivita ústavu sa v posledných rokoch zvyšuje, čo vidieť na mnohých popularizačných vystúpeniach v tlačových médiách ako aj na obrazovkách televízií alebo v rozhlase a to nielen v rámci Týždňa vedy. V r. 2020 pre striktné protipandemické opatrenia kvôli šíreniu Covid 19 sme neorganizovali 12. ročník Dňa otvorených dverí na MÚ SAV, ktorý by ináč štandardne sa konal na ústave v Bratislave a v jeho detašovanom pracovisku Košiciach. Ústav je zapojený aj do projektu popularizácie vedy na základných školách, ktorý garantuje SAV.

Vážnym problémom je získavanie mladých pracovníkov (PhD. študentov aj postdokov) na úrovni ústavu, ale aj celej SAV.

Správu o činnosti organizácie SAV spracoval(i):

prof. RNDr. Anatolij Dvurečenskij, DrSc., 02/ 5751 0412
Mgr. Marek Hyčko, PhD., 02/5751 0502
doc. RNDr. Karol Nemoga, CSc., 02/ 5751 0401

Schválila vedecká rada organizácie SAV dňa 29.1.2021

Riaditeľ organizácie SAV	**Predseda vedeckej rady**
.....	.....
doc. RNDr. Karol Nemoga, CSc.	Mgr. Anna Jenčová, DrSc.

Prílohy

Príloha A
Zoznam zamestnancov a doktorandov organizácie k 31.12.2020

Zoznam zamestnancov podľa štruktúry

	Meno s titulmi	Úväzok (v %)	Ročný prepočítaný úväzok
Vedúci vedeckí pracovníci DrSc.			
1.	prof. RNDr. Anatolij Dvurečenskij, DrSc.	100	1.00
2.	doc. RNDr. Roman Frič, DrSc.	50	0.50
3.	doc. RNDr. Ľubica Holá, DrSc.	100	1.00
4.	prof. RNDr. Juraj Hromkovič, DrSc.	100	0.00
5.	RNDr. Stanislav Jakubec, DrSc.	50	0.50
6.	Mgr. Anna Jenčová, DrSc.	100	1.00
7.	prof. RNDr. Roman Nedela, DrSc.	45	0.45
8.	doc. RNDr. Sylvia Pulmannová, DrSc.	100	1.00
9.	doc. RNDr. Oto Strauch, DrSc.	100	0.80
10.	prof. RNDr. Marian Vajteršic, DrSc.	100	0.00
11.	prof. RNDr. Gejza Wimmer, DrSc.	100	0.72
Vedúci vedeckí pracovníci CSc., PhD.			
1.	RNDr. Martin Kochol, PhD., DSc.	100	1.00
Samostatní vedeckí pracovníci			
1.	Mgr. Martin Bečka, PhD.	100	1.00
2.	Mgr. Natália Dilna, PhD.	100	1.00
3.	RNDr. Stefan Dobrev, PhD.	100	1.00
4.	prof. RNDr. Michal Fečkan, DrSc.	50	0.35
5.	doc. RNDr. Ján Haluška, CSc.	100	1.00
6.	prof. RNDr. Miroslav Haviar, CSc.	11	0.04
7.	RNDr. Galina Jirásková, CSc.	100	1.00
8.	doc. Mgr. Ján Karabáš, PhD.	20	0.15
9.	prof. RNDr. Július Korbaš, CSc.	3	0.03
10.	doc. RNDr. Karol Nemoga, CSc.	100	1.00
11.	doc. Ing. Gabriel Okša, CSc.	100	1.00
12.	doc. RNDr. Milan Paštéka, CSc.	3	0.03
13.	RNDr. Jozef Pócs, PhD.	100	1.00

Samostatní vedeckí pracovníci (pokr.)			
14.	RNDr. Michal Pospíšil, PhD.	20	0.20
15.	doc. RNDr. Miroslav Repický, CSc.	100	1.00
16.	Mgr. Andrea Zemánková, PhD.	100	1.00
Vedeckí pracovníci			
1.	doc. RNDr. Vladimír Baláž, CSc.	1	0.01
2.	doc. Mgr. Pavol Bokes, PhD.	13	0.13
3.	RNDr. Katarína Čunderlíková, PhD.	80	0.35
4.	RNDr. Vladimír Dančík, PhD.	100	0.00
5.	RNDr. Peter Eliaš, PhD.	100	1.00
6.	doc. RNDr. Rudolf Hajossy, CSc.	32	0.32
7.	RNDr. Emília Halušková, CSc.	100	1.00
8.	Ing. Michal Hospodár, PhD.	100	1.00
9.	Mgr. Marek Hyčko, PhD.	100	1.00
10.	Mgr. Michaela Koščová, PhD.	5	0.00
11.	Mgr. Marek Košta, PhD.	100	0.00
12.	doc. Mgr. Tibor Macko, PhD.	25	0.25
13.	doc. Mgr. Ján Mačutek, PhD.	100	1.00
14.	RNDr. Alžbeta Michalíková, PhD.	3	0.03
15.	Mgr. Peter Mlynárčik, PhD.	11	0.06
16.	Ing. Igor Mračka, PhD.	100	1.00
17.	Mgr. Branislav Novotný, PhD.	100	1.00
18.	RNDr. Igor Odrobina, CSc.	100	0.25
19.	Mgr. Matúš Palmovský, PhD.	3	0.03
20.	doc. PaedDr. Martin Papčo, PhD.	5	0.05
21.	RNDr. Jozefína Petrovičová, PhD.	5	0.01
22.	RNDr. Martin Plávala, PhD.	100	0.00
23.	Mgr. Eva Plávalová, PhD.	3	0.03
24.	Mgr. Ladislav Stacho, CSc.	100	0.00
25.	doc. Ondrej Šuch, PhD., M.Sc.	25	0.25
26.	Mgr. Elena Vinceková, PhD.	100	1.00
27.	RNDr. Tibor Žáčik, CSc.	100	1.00

Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)			
1.	Ing. Ferdinand Čapka	3	0.03
2.	Ing. Iveta Červenková	33	0.27
3.	Ing. Peter Sýs	3	0.03
Odborní pracovníci s VŠ vzdelaním (ostatní zamestnanci)			
1.	Mgr. Zdeno Grešo	60	0.53
2.	RNDr. Dana Kákošová	100	1.00
3.	RNDr. Alexandra Mojžišová, PhD.	100	1.00
4.	Ing.arch. Terézia Sedláková	59	0.00
Odborní pracovníci ÚSV			
1.	Marianna Bečková	60	0.35
2.	Jana Galbová	60	0.60
3.	Ivana Geriaková	100	1.00
4.	Ivana Hudecová	60	0.60
5.	Zuzana Kvapilová	100	1.00
6.	Katarína Nagyová	60	0.60
7.	Eugénia Ondrušková	100	1.00
8.	Bc. Henrieta Paľová	24	0.24
9.	Katarína Štefančíková	100	1.00
Ostatní pracovníci			
1.	Janka Badiarová	33	0.33
2.	Lucia Mišíková	36	0.36
3.	Ing. Juraj Prochác	100	0.37
4.	Beata Szabová	100	1.00

Zoznam zamestnancov, ktorí odišli v priebehu roka

	Meno s titulmi	**Dátum odchodu**	**Ročný prepočítaný úväzok**
Vedeckí pracovníci			
1.	Mgr. Štefan Gyürki, PhD.	31.8.2020	0.05
Odborní pracovníci s VŠ vzdelaním (výskumní a vývojoví zamestnanci)			
1.	Mgr. Dušana Babicová	31.8.2020	0.00
2.	Mgr. Ján Bogár	7.12.2020	0.09
3.	Mgr. Ing. Jean Rosemond Dora	28.2.2020	0.17
4.	Mgr. Ivana Krajňáková	31.8.2020	0.00

Odborní pracovníci s VŠ vzdelaním (ostatní zamestnanci)			
1.	Mgr. Ján Kysel	31.8.2020	0.66
Odborní pracovníci ÚSV			
1.	Silvia Gavorová	31.5.2020	0.80
2.	Ing. Daniel Solčiansky	31.1.2020	0.60
Ostatní pracovníci			
1.	Blažena Puterová	31.5.2020	0.19

Zoznam doktorandov

	Meno s titulmi	Škola/fakulta	Študijný odbor
Interní doktorandi hradení z prostriedkov SAV			
1.	Ing. Ferdinand Čapka	Fakulta matematiky, fyziky a informatiky UK	9.1.9 aplikovaná matematika
2.	Mgr. Jean Rosemond Dora	Fakulta matematiky, fyziky a informatiky UK	9.1.9 aplikovaná matematika
3.	Ing. Peter Sýs	Fakulta matematiky, fyziky a informatiky UK	9.1.9 aplikovaná matematika
Interní doktorandi hradení z iných zdrojov			
organizácia nemá interných doktorandov hradených z iných zdrojov			
Externí doktorandi			
organizácia nemá externých doktorandov			

Zoznam zamestnancov prijatých do jedného roka od získania PhD.

	Meno s titulmi	Dátum obhajoby	Dátum prijatia	Úväzok (v %)

Zoznam emeritných vedeckých zamestnancov

	Meno s titulmi

Príloha B
Projekty riešené v organizácii

Medzinárodné projekty

Programy: ERANET

1.) Dátami vedené hľadanie liečiv pre hojenie rán *(Data-Driven Drug Discovery For Wound Healing)*

Zodpovedný riešiteľ:	Branislav Novotný
Trvanie projektu:	1.6.2018 / 31.5.2021
Evidenčné číslo projektu:	
Organizácia je koordinátorom projektu:	Nie
Koordinátor:	Biodonostia Health Research Institute, Computational Biology and Systems Biomedicine Group
Počet spoluriešiteľských inštitúcií:	7 - Rakúsko: 2, Nemecko: 1, Španielsko: 1, Veľká Británia: 2, Slovensko: 0, Slovinsko: 1
Čerpané financie:	ERA.NET: 20000 €

Dosiahnuté výsledky:

Výskumný tím sa zúčastnil projektového stretnutia a navštívil projektových partnerov v Biodonostii HRI v San Sebastiane medzi 29. 1. a 2. 2. 2020. V rámci stretnutia výskumný tím oboznámil partnerov s ich výsledkami transformácie fuzzy-logiky na základe súbory génovej expresie. Kľúčovou ingredienciou prístupu fuzzy logiky je optimalizácia vhodného radu krokových funkcií v rozsahu parametrov. Optimalizácia v rámci priestoru krokovej funkcie má dôsledky na riadenie stochastickej génovej expresie, ktoré boli predstavené v [1]. Ďalšie teoretické výsledky distribúcie génovej expresie boli zverejnené v [2].

[1] Zabaikina, Iryna, Pavol Bokes, and Abhyudai Singh. "Optimal bang–bang feedback for bursty gene expression." In 2020 European Control Conference (ECC), pp. 277-282. IEEE, 2020.

[2] Bokes, Pavol, Alessandro Borri, Pasquale Palumbo, and Abhyudai Singh. "Mixture distributions in a stochastic gene expression model with delayed feedback: a WKB approximation approach." Journal of Mathematical Biology 81, no. 1 (2020): 343-367.

Domáce projekty

Programy: VEGA

1.) Modely a algoritmy pre výpočty s neúplnou informáciou *(Models and algorithms for computing with incomplete information)*

Zodpovedný riešiteľ:	Stefan Dobrev
Trvanie projektu:	1.1.2020 / 31.12.2023
Evidenčné číslo projektu:	VEGA 1/0601/20
Organizácia je koordinátorom projektu:	Nie
Koordinátor:	FMFI UK

Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	VEGA SAV: 2031 €

Dosiahnuté výsledky:

1. DOBREV, Stefan - KRÁLOVIČ, Rastislav** - PARDUBSKÁ, Dana. Improved Lower Bounds for Shoreline Search. In Lecture Notes in Computer Science : SIROCCO 2020, 2020, vol. 12156, p. 80-90. (2019: 0.427 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-54921-3_5

2. DOBREV, Stefan - KRÁLOVIČ, Rastislav - PARDUBSKÁ, Dana. Exploration of Time-Varying Connected Graphs with Silent Agents. In Lecture Notes in Computer Science : SIROCCO 2020, 2020, vol. 12156, p. 146-162. (2019: 0.427 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-54921-3_9

2.) Kvalitatívne vlastnosti a bifurkácie diferenciálnych rovníc a dynamických systémov
(Qualitative properties and bifurcations of differential equations and dynamical system)

Zodpovedný riešiteľ:	Michal Fečkan
Trvanie projektu:	1.1.2020 / 31.12.2023
Evidenčné číslo projektu:	VEGA 2/0127/20
Organizácia je koordinátorom projektu:	Áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA SAV: 7920 €

Dosiahnuté výsledky:

1. BATTELLI, Flaviano - FEČKAN, Michal. On the Poincare-Adronov-Melnikov method for the existence of grazing impact periodic solutions of differential equations. In Journal of differential equations, 2020, vol. 268, p. 3725-3748. (2019: 2.192 - IF, Q1 - JCR, 2.283 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0022-0396. Dostupné na: https://doi.org/10.1016/j.jde.2019.10.014

2. BATTELLI, Flaviano - FEČKAN, Michal. On the exponents of exponential dichotomies. In Mathematics, 2020, vol. 8, no. 651, p. 1-13. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8040651

3. BATTELLI, Flaviano - FEČKAN, Michal. On the Poincaré-Andronov-Melnikov method for modelling of grazing periodic solutions in discontinuous systems. In Mathematical Modelling in Health, Social and Applied Sciences. - Cham : Springer, 2020, p. 241-259. ISBN 978-981-15-2286-4. Dostupné na: https://doi.org/10.1007/978-981-15-2286-4_7

4. DILNA, Nataliya - FEČKAN, Michal** - SOLOVYOV, Mykola. D-Stability of the Initial Value Problem for Symmetric Nonlinear Functional Differential Equations. In Symmetry-Basel, 2020, vol. 12, no. 1761, p. 1-19. (2019: 2.645 - IF, Q2 - JCR, 0.365 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2073-8994. Dostupné na: https://doi.org/10.3390/sym12111761

5. DILNA, Nataliya. On Non-local Boundary-Value Problems for Higher-Order Non-linear Functional Differential Equations. In Springer Proceedings in Mathematics and Statistics 333 : Differential and Difference Equations with Applications. - Springer, 2020, 2020, p. 535-548. ISBN 978-3-030-56323-3. Dostupné na: https://doi.org/10.1007/978-3-030-56323-3_40

6. FEČKAN, Michal** - SATHIYARAJ, T. - WANG, JinRong. Synchronization of butterfly fractional order chaotic system. In Mathematics, 2020, vol. 8, no. 3, p. 1-12. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8030446

7. FEČKAN, Michal - GUAN, Yi - O´REGAN, Donal - WANG, JinRong**. Existence and uniqueness and first order approximation of solutions to atmospheric Ekman flows. In Monatshefte für Mathematik, 2020, vol. 193, p. 623-636. (2019: 0.933 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0026-9255. Dostupné na: https://doi.org/10.1007/s00605-020-01414-7

8. FEČKAN, Michal** - PAČUTA, Július. Averaging methods for second-order differential equations and their application for impact systems. In Mathematics, 2020, vol. 8, no. 916, p. 1-11. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8060916

9. FEČKAN, Michal** - MARYNETS, Kateryna. Study of differential equations with exponential nonlinearities via the Lower and Upper Solutions Method. In Numerical Analysis and Applicable Mathematics, 2020, vol. 1, no. 2, p. 1-7. Dostupné na: https://doi.org/10.36686/Ariviyal.NAAM.2020.01.02.007

10. KAJANOVIČOVÁ, Viktória - NOVOTNÝ, Branislav** - POSPÍŠIL, Michal. Ramsey model with non-constant population growth. In MATH SOC SCI, 2020, vol. 104, p. 40-46. (2019: 0.669 - IF, Q4 - JCR, 0.473 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0165-4896. Dostupné na: https://doi.org/10.1016/j.mathsocsci.2020.01.004 https://doi.org/10.1016/j.mathsocsci.2020.01.004

11. LIU, Kui - WANG, JinRong - O´REGAN, Donal - FEČKAN, Michal. A New Class of (?, c)-Periodic Non-instantaneous Impulsive Differential Equations. In Mediterranean Journal of Mathematics, 2020, vol. 17, art. no. 155, p. 1-22. (2019: 1.216 - IF, Q1 - JCR, 0.573 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1660-5446. Dostupné na: https://doi.org/10.1007/s00009-020-01574-8

12. LIU, Kui - FEČKAN, Michal** - WANG, JinRong. A fixed-point approach to the Hyers-Ulam stability of Caputo-Fabrizio fractional differential equations. In Mathematics, 2020, vol. 8, no. 647, p. 1-12. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8040647

13. LIU, Kui - FEČKAN, Michal** - WANG, JinRong. Hyers-Ulam stability and existence of solutions to the generalized Liouville-Caputo fractional differential equations. In Symmetry-basel, 2020, vol. 12, no. 955, p. 1-18. (2019: 2.645 - IF, Q2 - JCR, 0.365 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2073-8994. Dostupné na: https://doi.org/10.3390/sym12060955

14. POSPÍŠIL, Michal**. Representation of solutions of systems of linear differential equations with multiple delays and nonpermutable variable coefficients. In Mathematical Modelling and Analysis, 2020, vol. 25, no. 2, p. 303-322. (2019: 0.957 - IF, Q2 - JCR, 0.351 - SJR, Q3 - SJR). ISSN 1392-6292.
Dostupné na: https://doi.org/10.3846/mma.2020.11194

15. SATHIYARAJ, T. - FEČKAN, Michal - WANG, JinRong. Null controllability results for stochastic delay systems with delayed perturbation of matrices. In Chaos, Solitons and Fractals, 2020, vol. 138, 109927, p. 1-11. (2019: 3.764 - IF, Q1 - JCR, 1.036 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0960-0779. Dostupné na: https://doi.org/10.1016/j.chaos.2020.109927

16. SHER, Muhammad - SHAH, Kamal - FEČKAN, Michal** - RAHMAT ALI, Khan. Qualitative analysis of multi-terms fractional order delay differential equations via the topological degree theory. In Mathematics, 2020, vol. 8, no. 218, p. 1-13. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8020218

17. SI, Yuanchao - WANG, JinRong** - FEČKAN, Michal. Controllability of linear and nonlinear systems governed by Stieltjes differential equations. In Applied Mathematics and Computation, 2020, vol. 376, p. 1-24. (2019: 3.472 - IF, Q1 - JCR, 0.969 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0096-3003. Dostupné na: https://doi.org/10.1016/j.amc.2020.125139

18. WANG, JinRong - FEČKAN, Michal. Dynamics of a discrete nonlinear prey-predator model. In International Journal of Bifurcation and Chaos, 2020, vol. 30, no. 4, art. no. 2050055, p. 1-15. (2019: 2.469 - IF, Q2 - JCR, 0.715 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0218-1274. Dostupné na: https://doi.org/10.1142/S0218127420500558

19. WANG, JinRong - LI, Mengmeng - O´REGAN, Donal - FEČKAN, Michal**. Robustness for linear evolution equations with non-instantaneous impulsive effects. In Bulletin des sciences mathématiques, 2020, vol. 159, p. 1-47. (2019: 1.241 - IF, Q2 - JCR, 0.810 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0007-4497. Dostupné na: https://doi.org/10.1016/j.bulsci.2019.102827 https://doi.org/10.1016/j.bulsci.2019.102827

20. WANG, Xiaowen - WANG, JinRong - FEČKAN, Michal. Controllability of conformable differential systems. In Nonlinear Analysis : Modelling and Control, 2020, vol. 25, no. 4, p. 658-674. (2019: 2.780 - IF, Q1 - JCR, 0.757 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1392-5113. Dostupné na: https://doi.org/10.15388/namc.2020.25.18135

21. WANG, Xu - WANG, JinRong - FEČKAN, Michal**. BP neural network calculus in economic growth modelling of the group of seven. In Mathematics, 2020, vol. 8, no. 37, p. 1-11. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8010037

22. YANG, Peng - WANG, JinRong** - FEČKAN, Michal. Boundedness, periodicity, and conditional stability of noninstantaneous impulsive evolution equations. In Mathematical Methods in the Applied Sciences, 2020, vol. 43, p. 5905-5926. (2019: 1.626 - IF, Q2 - JCR, 0.667 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0170-4214. Dostupné na: https://doi.org/10.1002/mma.6332

23. YOU, Zhongli - FEČKAN, Michal - WANG, JinRong**. Relative controllability of fractional delay differential equations via delayed perturbation of Mittag-Leffler functions. In Journal of Computational and Applied Mathematics, 2020, vol. 378, p. 1-16. (2019: 2.037 - IF, Q1 - JCR, 0.870 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0377-0427. Dostupné na: https://doi.org/10.1016/j.cam.2020.112939

24. ZHANG, Wenlin - WANG, JinRong** - FEČKAN, Michal. Existence and uniqueness results for a second order differential equation for the ocean flow in arctic gyres. In Monatshefte für Mathematik, 2020, vol. 193, no. 1, p. 177-192. (2019: 0.933 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0026-9255. Dostupné na: https://doi.org/10.1007/s00605-020-01388-6

25. ZHANG, Wenlin - FEČKAN, Michal - WANG, JinRong**. Positive solutions to integral boundary value problems from geophysical fluid flows. In Monatshefte für Mathematik, 2020, vol. 193, p. 901-925. (2019: 0.933 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0026-9255. Dostupné na: https://doi.org/10.1007/s00605-020-01467-8

26. FELAHAT, M. - KADKHODA, Nematollah - FEČKAN, Michal**. Investigation of solutions to the fractional integro-differential equations of Bratu-type using legendre wavelets method. In Miskolc Mathematical Notes, 2020, vol. 21, no. 1, p. 189-202. (2019: 0.677 - IF, Q3 - JCR, 0.312 - SJR, Q3 - SJR). ISSN 1787-2405. Dostupné na: https://doi.org/10.18514/MMN.2020.2994

27. AGAOGLOU, Makrina - FEČKAN, Michal** - PANAGIOTIDOU, Angeliki P. Existence and uniqueness of (?,c)-periodic solutions of semilinear evolution equations. In International Journal of Dynamical Systems and Differential Equations : Int J Dynamical Systems and Differential Equations, 2020, vol. 10, no. 2, p. 149-166. (2019: 0.144 - SJR, Q3 - SJR). ISSN 1752-3583. Dostupné na: https://doi.org/10.1504/IJDSDE.2020.106027

28. LIU, Shengda - WANG, JinRong** - SHEN, Dong - FEČKAN, Michal. Iterative learning control for nonlinear differential inclusion systems. In International Journal of Robust and Nonlinear Contro, 2020, vol. 30, p. 2937-2952. (2019: 3.503 - IF, Q1 - JCR, 1.631 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1049-8923. Dostupné na: https://doi.org/10.1002/rnc.4920

3.) Teória čísel a jej aplikácie *(Number Theory and Its Applications)*

Zodpovedný riešiteľ:	Stanislav Jakubec
Trvanie projektu:	1.1.2018 / 31.12.2021
Evidenčné číslo projektu:	VEGA 2/0109/18
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	VEGA SAV: 7785 €

Dosiahnuté výsledky:

1. M. Paštéka: Central limit theorem and the distribution of sequences, Tatra Mt. Math. Publ. 77 (2020), 43-52.

4.) Matematické modely neklasických javov a neurčitosti *(Mathematical models of non-classical events and uncertainty)*

Zodpovedný riešiteľ:	Anna Jenčová
Trvanie projektu:	1.1.2020 / 31.12.2023
Evidenčné číslo projektu:	VEGA 2/0142/20
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	VEGA SAV: 12936 €

Dosiahnuté výsledky:

Publikácie:

1. A. Jenčová and M. Plávala. "Structure of quantum and classical implementations of the Popescu-Rohrlich box. " Physical Review A 102.4 (2020): 042208.

2. A. Jenčová and S. Pulmannová. "Tensor product of dimension effect algebras." Order (2020): 1-13.

3. A. Jenčová and S. Pulmannová. "Observables on synaptic algebras." Fuzzy Sets and Systems (2020).

4. M. Kalina, Aggregation Functions Transformed by 0 - 1 Valued Monotone Systems of Functions. In: Lesot MJ. et al. (eds) Information Processing and Management of Uncertainty in Knowledge-Based Systems. IPMU 2020. Communications in Computer and Information Science, vol 1238. Springer (2020)

5. M. Kalina, "Lattice-based sum of uninorms on bounded lattices." 2020 IEEE 18th International Symposium on Intelligent Systems and Informatics (SISY). IEEE, 2020.

6. D. Hliněná and M. Kalina. "Characterization of Uninorms on Bounded Lattices and Pre-order They Induce." International Journal of Computational Intelligence Systems (2020).

7. A. Dvurečenskij, "States on wEMV-algebras." Bollettino dell'Unione Matematica Italiana 13.4 (2020): 515-527.

M. Plávala, M. Ziman, “Popescu-Rohrlich box implementation in general probabilistic theory of processes,” 8. Phys. Lett. A, vol. 384, no. 16, p. 126323, Jun. 2020.

Zaslané na publikovanie:

1. G. Aubrun, L. Lami, C. Palazuelos, M. Plávala, "Entangleability of cones", Submitted to Geometric and Functional Analysis.

2. M. Girard, M. Plávala, J. Sikora, "Jordan products of quantum channels and their compatibility", 2020. Submitted to Nature Communications

3. A. Jenčová, “A general theory of comparison of quantum channels (and beyond)." arXiv preprint arXiv:2002.04240 (2020), submitted to IEEE Transactions on Information Theory

5.) Popisná a výpočtová zložitosť formálnych jazykov *(Descriptive and Computational Complexity of Formal Languages)*

Zodpovedný riešiteľ:	Galina Jirásková
Trvanie projektu:	1.1.2019 / 31.12.2022
Evidenčné číslo projektu:	VEGA 2/0132/19
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA SAV: 6584 €

Dosiahnuté výsledky:

1. Jirásek J., Jirásková G. (2020) Multiple concatenation and state complexity (extended abstract). In: Jirásková G., Pighizzini G. (eds) Descriptional Complexity of Formal Systems. DCFS 2020. Lecture Notes in Computer Science, vol 12442, pp. 122-136. Springer, Cham. https://doi.org/10.1007/978-3-030-62536-8_7

2. Hospodár M., Mlynárčik P. (2020) Operations on permutation automata. In: Jonoska N., Savchuk D. (eds) Developments in Language Theory. DLT 2020. Lecture Notes in Computer Science, vol 12086, pp. 78-90. Springer, Cham. https://doi.org/10.1007/978-3-030-48516-0_10

3. Hospodár M., Holzer M. (2020) The ranges of accepting state complexities of languages resulting from some operations. International Journal of Foundations of Computer Science, vol. 31/08, 1159–1177. World Scientific, Singapore. https://doi.org/10.1142/S0129054120420083

6.) Chromatické problémy v kombinatorike *(Chromatic Problems in Combinatorics)*

Zodpovedný riešiteľ:	Martin Kochol
Trvanie projektu:	1.1.2018 / 31.12.2021
Evidenčné číslo projektu:	VEGA 2/0024/18
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA SAV: 1294 €

Dosiahnuté výsledky:

1. KOCHOL, M.: Interpretations of the Tutte polynomials of regular matroids, Advances in Applied Mathematics, vol. 111 (2019), 101934 (ADCA).

2. KOCHOL, M.: Modifications of Tutte-Grothendieck invariants and Tutte polynomials, AKCE International Journal of Graphs and Combinatorics, vol. 17 (2020), str. 70–73 (ADMB).

7.) Grafové invarianty, symetrie a ohodnotenia *(Graph invariants, symmetries and labellings)*

Zodpovedný riešiteľ:	Roman Nedela
Trvanie projektu:	1.1.2020 / 31.12.2023
Evidenčné číslo projektu:	VEGA 2/0078/20
Organizácia je koordinátorom projektu:	Áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	VEGA SAV: 970 €

Dosiahnuté výsledky:

1. FENG, Yan-Quan - HU, Kan - NEDELA, Roman - ŠKOVIERA, Martin - WANG, Na-Er. Complete regular dessins and skew-morphisms of cyclic groups. In Ars Mathematica Contemporanea, 2020, vol. 18, p. 289-307.

8.) Konvergencia blokových algoritmov pre kanonické dekompozície matíc

Zodpovedný riešiteľ:	Gabriel Okša
Trvanie projektu:	1.1.2020 / 31.12.2022
Evidenčné číslo projektu:	2/0015/20
Organizácia je koordinátorom projektu:	Áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA SAV: 4491 €

Dosiahnuté výsledky:

Článok zaslaný na publikovanie:

1. Y.Yamamoto, G. Oksa, M. Vajtersic: On convergence to eigenvalues and eigenvectors in the block-Jacobi EVD algorithm with dynamic ordering, zaslane do "Linear Algebra and Its Applications" (Elsevier).

9.) Algebrické a topologické aspekty agregačných funkcií

Zodpovedný riešiteľ:	Jozef Pócs
Trvanie projektu:	1.1.2020 / 31.12.2023
Evidenčné číslo projektu:	VEGA 2/0097/20
Organizácia je koordinátorom projektu:	Áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA SAV: 9702 €

Dosiahnuté výsledky:

1. P. Eliaš, R. Frič, Conditional probability on full Łukasiewicz tribes, Soft Computing, 2020, vol. 24, p. 6521-6529.

2. R. Frič, P. Eliaš, M. Papčo, Divisible extension of probability, Math. Slovaca 70 (2020), 1445–1456. doi: 10.1515/ms-2017-0441

Články zaslané na publikovanie:

1. M. Repický: Rosenthal families, filters, and semifilters, odoslané do Archive for Mathematical Logic.

2. R. Halaš, Z. Kurač, J. Pócs: On the minimality of some generating sets of the aggregation clone on a finite chain, odoslané do Information Sciences.

3. J. Pócs, J. Pócsová: On Bonds for Generalized One-Sided Concept Lattices, odoslané do Mathematics.

10.) Drevený píšťalový fond historických organových pozitívov na Slovensku *(Wooden pipe configuration of historic organ positives in Slovakia)*

Zodpovedný riešiteľ:	Andrej Štafura
Zodpovedný riešiteľ v organizácii SAV:	Ján Haluška
Trvanie projektu:	1.1.2019 / 31.12.2022
Evidenčné číslo projektu:	2/0106/19
Organizácia je koordinátorom projektu:	Nie
Koordinátor:	Ústav hudobnej vedy SAV
Počet spoluriešiteľských inštitúcií:	6 - Slovensko: 6
Čerpané financie:	-

Dosiahnuté výsledky:

Príspevok na konferencii: **HALUŠKA, J.**: *Matematické možnosti analýzy organových menzúr na príklade gemerských organov*, interdisciplinárna konferencia: "Kultúrne dedičstvo Gemera a Malohontu a jeho sprístupňovanie", Revúca, 8.-9. 9. 2020.

11.) Viactriedna klasifikácia rečových segmentov použitím párových klasifikátorov *(Multiclass Speech Segments Classification Using Parallel Classifiers)*

Zodpovedný riešiteľ:	Ondrej Šuch
Trvanie projektu:	1.1.2018 / 31.12.2021
Evidenčné číslo projektu:	VEGA 2/0144/18
Organizácia je koordinátorom projektu:	Áno

Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	VEGA SAV: 431 €

Dosiahnuté výsledky:

1. Daubner, J., Klimo, M., Papán, J., Smieško, J., Šuch, O., On the distribution of queue length in ideal links, Concurrency Computation 32(13) (2020), e5203.

12.) Nové štatistické metódy pre špeciálne triedy rozdelení pravdepodobnosti a ich aplikácie
(New statistical methods for special classes of probability distributions and their applications)

Zodpovedný riešiteľ:	Gejza Wimmer
Trvanie projektu:	1.1.2018 / 31.12.2020
Evidenčné číslo projektu:	2/0054/18
Organizácia je koordinátorom projektu:	Áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	2 - Slovensko: 2
Čerpané financie:	VEGA SAV: 5714 €

Dosiahnuté výsledky:

V. Witkovský, G. Wimmer, T. Duby, Estimating the distribution of a stochastic sum of IID random variables, Mathematica Slovaca, 70 (2020), 759–774.

13.) Nové trendy v teórii agregovania a ich aplikácie

Zodpovedný riešiteľ:	Andrea Zemánková
Trvanie projektu:	1.1.2019 / 31.12.2022
Evidenčné číslo projektu:	1/0006/19
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Stavebná fakulta STU
Počet spoluriešiteľských inštitúcií:	2 - Slovensko: 2
Čerpané financie:	VEGA SAV: 2031 €

Dosiahnuté výsledky:

Prijaté publikácie

1. A. Mesiarová-Zemánková, Natural partial order induced by a commutative, associative and idempotent function. Information Sciences 545 (2021), 499–512, IF: 3.643

2. A. Mesiarová-Zemánková, Convex combinations of uninorms and triangular subnorms, Fuzzy Sets and Systems, https://doi.org/10.1016/j.fss.2020.10.011 IF: 3.305

3. A. Mesiarová-Zemánková, The n-uninorms with continuous underlying t-norms and t-conorms, International Journal of General Systems, https://doi.org/10.1080/03081079.2020.1863395 IF: 1.671

4. A. Mesiarová-Zemánková, Characterization of idempotent n-uninorms, Fuzzy Sets and Systems. https://doi.org/10.1016/j.fss.2020.12.019 IF: 3.305

Zaslané publikácie

1. A. Mesiarová-Zemánková, Characterizing functions of n-uninorms with continuous underlying functions, IEEE Transactions on Fuzzy Systems. (IF: 9.518)

2. A. Mesiarová-Zemánková, Characterization of n-uninorms with continuous underlying functions via z-ordinal sum construction, International Journal of Approximate Reasoning. (IF: 2.678)

3. R. Fernandez-Peralta, S. Massanet, A. Mesiarová-Zemánková, A. Mir, A general framework for the characterization of (S,N)-implications with a non-continuous negation based on completions of t-conorms, Fuzzy Sets and Systems. (IF: 3.305)

Programy: APVV

14.) Pravdepodobnostné, algebrické a kvantovo-mechanické aspekty neurčitosti *(Probabilistic, algebraic a quantum-mechanical aspect of uncertainty)*

Zodpovedný riešiteľ:	Anatolij Dvurečenskij
Trvanie projektu:	1.7.2017 / 30.6.2021
Evidenčné číslo projektu:	APVV-16-0073
Organizácia je koordinátorom projektu:	áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	APVV: 31907 €

Dosiahnuté výsledky:

1. A. Dvurečenskij, D. Lachman, Spectral resolutions and observables in n-perfect MV-algebras, Soft Computing 24 (2020), 843--860. DOI: 10.1007/s00500-019-04543-w CC

2. A. Dvurecenskij, D. Lachman, Two-dimensional observables and spectral resolutions, Rep. Math. Phys. 85 (2020), 163—191. CC

3. A. Dvurečenskij, D. Lachman, Spectral resolutions and quantum observables, Inter. J. Theor. Phys. 59 (2020), 2362--2383. DOI: 10.1007/s10773-020-04507-z CC

4. A. Dvurečenskij, D. Lachman, Lifting, n-dimensional spectral resolutions, and n-dimensional observables, Algebra Universalis 34 (2020), Art. Num. 34, DOI: 10.1007/s00012-020-00664-8 SCI

5. A. Dvurečenskij, States on wEMV-algebras, Boll. Unione Matem. Italiana 13 (2020), 515--527. DOI: 10.1007/s40574-020-00233-w SCI

6. G. Jenča, Pseudo effect algebras are algebras over bounded posets, Fuzzy Sets and Systems 397 (2020), 179-185. CC

7. R. Carbone, A. Jenčová, On period, cycles and fixed points of a quantum channel. Annales Henri Poincaré 21 (2020), 155-188. CC

8. A. Jenčová, M. Plávala, Structure of quantum and classical implementations of the Popescu-Rohrlich box, Physical Review A 102 (2020), art. nr. 42208. CC

9. M. Plávala, M. Ziman, Popescu-Rohrlich box implementation in general probabilistic theory of processes, Physics Letters A 384 (2020), art. nr. 126323. CC

10. Eliaš, P. Frič, R.: Conditional probability on full Lukasiewicz tribes. Soft Comput. 24 (2020), 6521—6529. CC

11. R. Frič, P. Eliaš, M. Papčo, Divisible extension of probability, Math. Slovaca 70 (2020), 1445 – 1456. DOI: 10.1515/ms-2017-0441 SCI

Prijaté publikácie

1. A. Mesiarová-Zemánková, Natural partial order induced by a commutative, associative and idempotent function. Information Sciences 545 (2021), 499–512, IF: 3.643

2. A. Mesiarová-Zemánková, Convex combinations of uninorms and triangular subnorms, Fuzzy Sets and Systems, https://doi.org/10.1016/j.fss.2020.10.011 IF: 3.305

3. A. Mesiarová-Zemánková, The n-uninorms with continuous underlying t-norms and t-conorms, International Journal of General Systems, https://doi.org/10.1080/03081079.2020.1863395 IF: 1.671

4. A. Mesiarová-Zemánková, Characterization of idempotent n-uninorms, Fuzzy Sets and Systems. https://doi.org/10.1016/j.fss.2020.12.019 IF: 3.305

Zaslané publikácie

1. A. Mesiarová-Zemánková, Characterizing functions of n-uninorms with continuous underlying functions, IEEE Transactions on Fuzzy Systems. (IF: 9.518)

2. A. Mesiarová-Zemánková, Characterization of n-uninorms with continuous underlying functions via z-ordinal sum construction, International Journal of Approximate Reasoning. (IF: 2.678)

3. R. Fernandez-Peralta, S. Massanet, A. Mesiarová-Zemánková, A. Mir, A general framework for the characterization of (S,N)-implications with a non-continuous negation based on completions of t-conorms, Fuzzy Sets and Systems. (IF: 3.305)

15.) Efektívne algoritmy, automaty a dátové štruktúry *(Effective algorithms, automata and data structures)*

Zodpovedný riešiteľ:	Galina Jirásková
Trvanie projektu:	1.7.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0091
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Prírodovedecká fakulta, Univerzita Pavla Jozefa Šafárika v Košiciach
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	APVV: 6217 €

Dosiahnuté výsledky:

1. Jirásek J., Jirásková G. (2020) Multiple concatenation and state complexity (extended abstract). In: Jirásková G., Pighizzini G. (eds) Descriptional Complexity of Formal Systems. DCFS 2020. Lecture Notes in Computer Science, vol 12442, pp. 122-136. Springer, Cham. https://doi.org/10.1007/978-3-030-62536-8_7

2. Hospodár M., Mlynárčik P. (2020) Operations on permutation automata. In: Jonoska N., Savchuk D. (eds) Developments in Language Theory. DLT 2020. Lecture Notes in Computer Science, vol 12086, pp. 78-90. Springer, Cham. https://doi.org/10.1007/978-3-030-48516-0_10

3. Hospodár M., Holzer M. (2020) The ranges of accepting state complexities of languages resulting from some operations. International Journal of Foundations of Computer Science, vol. 31/08, 1159–1177. World Scientific, Singapore. https://doi.org/10.1142/S0129054120420083

16.) Topológia a geometria variet *(Topology and Geometry of Manifolds)*

Zodpovedný riešiteľ:	Tibor Macko
Trvanie projektu:	1.7.2017 / 30.6.2021
Evidenčné číslo projektu:	APVV-16-0053
Organizácia je koordinátorom projektu:	Nie
Koordinátor:	FMFI UK, Bratislava
Počet spoluriešiteľských inštitúcií:	1 - Slovensko: 1
Čerpané financie:	APVV: 2500 €

Dosiahnuté výsledky:

Pokračovali sme v hľadaní všeobecnej formulácie algebraickej teórie chirurgií pomocou univerzálnych konštrukcií pre našu pripravovanú monografiu o teórií chirurgií. Vylepšovali a dolaďovali sme nami definované univerzálne konštrukcie, ktoré sme našli v predchádzajúcom roku, pričom sme mali špeciálne na zreteli voľby bázových bodov. Taktiež sme pridali všeobecnú kapitolu o homotopickej teórii reťazcových komplexov, ktorá by mohla byť užitočná aj pre výskumníkov mimo teórie chirurgií.

Pokračovali sme hľadaní nového dôkazu hlavnej vety a totálnej chirurgickej prekážke. Konkrétne sme sa venovali Mayer-Vietorisovej postupnosti v homológiách s koeficientami v L-spektre odvodenej od rozkladu Poincarého CW-complexu vynásobeného vysoko-rozmerným diskom na rúčky zlepené homotopickými ekvivalenciami. Pomocou nej sme našli priamy súvis medzi homologickou časťou totálnej chirrugickej prekážky a štruktúrnym invariantom homotopickej ekvivalence variet s hranicou, čo by mal byť jeden z hlavných komponentov finálneho dôkazu, ktorý hľadáme.

Preprint:

1. Diarmuid Crowley, Wolfgang Lueck, Tibor Macko: Surgery theory: Foundations, book in progress, current version available online on http://www.mat.savba.sk/~macko/surgery-book.html.

V príprave:

1. Tibor Macko, Michael Weiss: The total surgery obstruction via homotopy handle body decompositions.

17.) Algebrické, topologické a kombinatorické metódy v štúdiu diskrétnych štruktúr
(Algebraic, topological and combinatorial methods in the study of discrete structures)

Zodpovedný riešiteľ:	Roman Nedela
Trvanie projektu:	1.7.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0220
Organizácia je koordinátorom projektu:	nie
Koordinátor:	Fakulta matematiky, fyziky a informatiky, Univerzita Komenského, Bratislava
Počet spoluriešiteľských inštitúcií:	2 - Slovensko: 2
Čerpané financie:	APVV: 5000 €

Dosiahnuté výsledky:

1. Y.Q.Feng et. al: Complete regular dessins and skew-morphisms
of cyclic groups, ARS MATHEMATICA CONTEMPORANEA 18 (2020) 289–307

V práci je odvodená pomerne prekvapivá korešpondencia medzi dvojicami recipročných kosomorfizmov cyklických grúp rádov m a n, a existenciou úplných regulárních Grothendieckových dezénov typu (m,n). Pomocou tejto korešpondencie sme klasifikovali dvojice prirodzených čísel (m,n), pre ktoré existuje jediný úplný regulárny dezén typu (m,n).

2. R. Nedela, I. Ponomarenko, Recognising and testing isomorphism of Cayley graphs over an abelian group of order 4p in polynomial time, in G.A. Jones et.al. Isomorphisms, Symmetry and Computations in Algebraic Graph Theory, Springer Proceedings in Mathematics and Statistics 305, Springer, 2020.

V práci sa zaoberáme problémom algoritmickej zložitosti rozpoznania Cayleho grafu a problémom izomorfizmu pre istú triedu Cayleyho grafov.

18.) Výnimočné štruktúry v diskrétnej matematike *(Exceptional structures in discrete mathematics)*

Zodpovedný riešiteľ:	Roman Nedela
Trvanie projektu:	1.7.2020 / 30.6.2024
Evidenčné číslo projektu:	APVV-19-0308
Organizácia je koordinátorom projektu:	Nie
Koordinátor:	FMFI UK
Počet spoluriešiteľských inštitúcií:	2 - Slovensko: 2
Čerpané financie:	APVV: 1800 €

Dosiahnuté výsledky:

Projekt je v počiatočnom štádiu riešenia.

19.) Ontologická reprezentácia pre bezpečnosť informačných systémov *(Ontological representation for security of information systems)*

Zodpovedný riešiteľ:	Karol Nemoga
Trvanie projektu:	1.7.2020 / 30.6.2024
Evidenčné číslo projektu:	APVV-19-0220
Organizácia je koordinátorom projektu:	Nie
Koordinátor:	FEI STU Bratislava
Počet spoluriešiteľských inštitúcií:	3 - Slovensko: 3
Čerpané financie:	APVV: 3100 €

Dosiahnuté výsledky:

Výsledky sú uvedené v Prílohe C v prácach riešiteľov.

20.) Vývoj inovatívnych metód pre primárnu metrológiu momentu sily aplikáciou silových účinkov konvenčnej etalonáže *(Development of innovative methods for primary metrology torque forces by force effects of the conventional standards)*

Zodpovedný riešiteľ:	Gejza Wimmer
Trvanie projektu:	1.7.2019 / 30.6.2022
Evidenčné číslo projektu:	APVV-18-0066
Organizácia je koordinátorom projektu:	Nie
Koordinátor:	Slovenská legálna metrológia, n.o.
Počet spoluriešiteľských inštitúcií:	4 - Slovensko: 4
Čerpané financie:	APVV: 4439 €

Dosiahnuté výsledky:

Práca na projekte bez publikovaných výsledkov.

21.) Pokročilé štatistické a výpočtové metódy pre meranie a metrológiu *(Advanced statistical and computational methods for measurement and metrology)*

Zodpovedný riešiteľ:	Viktor Witkovský
Zodpovedný riešiteľ v organizácii SAV:	Gejza Wimmer
Trvanie projektu:	1.7.2016 / 30.6.2020
Evidenčné číslo projektu:	APVV-15-0295
Organizácia je koordinátorom projektu:	Nie
Koordinátor:	Ústav merania SAV
Počet spoluriešiteľských inštitúcií:	3 - Slovensko: 3
Čerpané financie:	APVV: 3750 €

Dosiahnuté výsledky:

V. Witkovský, G. Wimmer, T. Duby, Estimating the distribution of a stochastic sum of IID random variables, Mathematica Slovaca, 70 (2020), 759–774.

Programy: ŠPVV

22.) Príprava Národného programu kvantových technológií SR

Zodpovedný riešiteľ:	Karol Nemoga
Trvanie projektu:	1.1.2018 /
Evidenčné číslo projektu:	
Organizácia je koordinátorom projektu:	Nie
Koordinátor:	Slovenská národná výskumná platforma kvantových technológií QUTE
Počet spoluriešiteľských inštitúcií:	6 - Slovensko: 6
Čerpané financie:	-

Dosiahnuté výsledky:

Výsledky sú uvedené v Prílohe C v prácach riešiteľov.

Programy: Vnútroústavné

23.) Model pre optimalizáciu prepravy zemného plynu *(The optimization model of natural gas transportation)*

Zodpovedný riešiteľ:	Tibor Žáčik
Trvanie projektu:	1.1.1999 /
Evidenčné číslo projektu:	1239
Organizácia je koordinátorom projektu:	Áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	-

Dosiahnuté výsledky:

Základný výskum v oblasti modelovania šírenia Covid19 na Slovensku.

Programy: Iné projekty

24.) Program Štipendium SAV *(Program Fellowship of SAS)*

Zodpovedný riešiteľ:	Andrea Zemánková
Trvanie projektu:	1.8.2013 / 31.7.2021
Evidenčné číslo projektu:	
Organizácia je koordinátorom projektu:	Áno
Koordinátor:	Matematický ústav SAV
Počet spoluriešiteľských inštitúcií:	0
Čerpané financie:	-

Dosiahnuté výsledky:

Prijaté publikácie

1. A. Mesiarová-Zemánková, Natural partial order induced by a commutative, associative and idempotent function. Information Sciences 545 (2021), 499–512, IF: 3.643

2. A. Mesiarová-Zemánková, Convex combinations of uninorms and triangular subnorms, Fuzzy Sets and Systems, https://doi.org/10.1016/j.fss.2020.10.011 IF: 3.305

3. A. Mesiarová-Zemánková, The n-uninorms with continuous underlying t-norms and t-conorms, International Journal of General Systems, https://doi.org/10.1080/03081079.2020.1863395 IF: 1.671

4. A. Mesiarová-Zemánková, Characterization of idempotent n-uninorms, Fuzzy Sets and Systems. https://doi.org/10.1016/j.fss.2020.12.019 IF: 3.305

Zaslané publikácie

1. A. Mesiarová-Zemánková, Characterizing functions of n-uninorms with continuous underlying functions, IEEE Transactions on Fuzzy Systems. (IF: 9.518)

2. A. Mesiarová-Zemánková, Characterization of n-uninorms with continuous underlying functions via z-ordinal sum construction, International Journal of Approximate Reasoning. (IF: 2.678)

3. R. Fernandez-Peralta, S. Massanet, A. Mesiarová-Zemánková, A. Mir, A general framework for the characterization of (S,N)-implications with a non-continuous negation based on completions of t-conorms, Fuzzy Sets and Systems. (IF: 3.305)

Príloha C
Publikačná činnosť organizácie (*generovaná z ARL*)

ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

ADCA01 BATTELLI, Flaviano - FEČKAN, Michal**. On the exponents of exponential dichotomies. In Mathematics, 2020, vol. 8, no. 651, p. 1-13. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8040651

ADCA02 BATTELLI, Flaviano - FEČKAN, Michal**. On the Poincare-Adronov-Melnikov method for the existence of grazing impact periodic solutions of differential equations. In Journal of differential equations, 2020, vol. 268, p. 3725-3748. (2019: 2.192 - IF, Q1 - JCR, 2.283 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0022-0396. Dostupné na: https://doi.org/10.1016/j.jde.2019.10.014

ADCA03 CARBONE, Raffaella - JENČOVÁ, Anna. On period, cycles and fixed points of a quantum channel. In Annales Henri Poincare, 2020, vol. 21, p. 155-188. (2019: 1.489 - IF, Q2 - JCR, 1.214 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1424-0637. Dostupné na: https://doi.org/10.1007/s00023-019-00861-9

ADCA04 CZYZOWICZ, Jurek - DOBREV, Stefan - GODON, Maxime - KRANAKIS, E.** - SAKAI, T. - URRUTIA, J. Searching for a non-adversarial, uncooperative agent on a cycle. In Theoretical Computer Science, 2020, vol. 806, p. 531-542. (2019: 0.747 - IF, Q4 - JCR, 0.570 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0304-3975. Dostupné na: https://doi.org/10.1016/j.tcs.2019.08.031

ADCA05 ČUNDERLÍKOVÁ, Katarína. Martingale Convergence Theorem for the Conditional Intuitionistic Fuzzy Probability. In Mathematics, 2020, vol. 8, issue 10, p. 1-10. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8101707

ADCA06 DANCA, Marius-F. - FEČKAN, Michal. Chaos Suppression in a Gompertz-like Discrete System of Fractional Order. In International Journal of Bifurcation and Chaos, 2020, vol. 30, no. 3, art. no. 2050049. (2019: 2.469 - IF, Q2 - JCR, 0.715 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0218-1274. Dostupné na: https://doi.org/10.1142/S0218127420500492

ADCA07 DILNA, Nataliya - FEČKAN, Michal** - SOLOVYOV, Mykola. D-Stability of the Initial Value Problem for Symmetric Nonlinear Functional Differential Equations. In Symmetry-basel, 2020, vol. 12, no. 1761, p. 1-19. (2019: 2.645 - IF, Q2 - JCR, 0.365 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2073-8994. Dostupné na: https://doi.org/10.3390/sym12111761

ADCA08 DI LUNA, G.** - DOBREV, Stefan - FLOCCHINI, Paola - SANTORO, Nicola. Distributed exploration of dynamic rings. In Distributed Computing, 2020, vol. 33, no. 1, p. 41-67. (2019: 0.894 - IF, Q3 - JCR, 0.729 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0178-2770. Dostupné na: https://doi.org/10.1007/s00446-018-0339-1

ADCA09 DING, Yuanlin - FEČKAN, Michal - WANG, JinRong. Stability for conformable impulsive differential equations. In Electronic Journal of Differential Equations, 2020, vol. 2020, no. 118, p. 1-19. (2019: 0.820 - IF, Q2 - JCR, 0.585 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1072-6691. Dostupné na internete: <http://ejde.math.txstate.edu>

ADCA10 DVUREČENSKIJ, Anatolij - LACHMAN, Dominik. Lifting, n-dimensional spectral resolutions, and n-dimensional observables. In Algebra Universalis, 2020, vol. 81, p. 1-36. (2019: 0.404 - IF, Q4 - JCR, 0.486 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0002-5240. Dostupné na: https://doi.org/10.1007/s00012-020-00664-8

ADCA11 DVUREČENSKIJ, Anatolij** - LACHMAN, Dominik. Spectral resolutions and quantum observables. In International Journal of Theoretical Physics, 2020, vol. 59, p. 2362-2383. (2019: 1.347 - IF, Q3 - JCR, 0.317 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0020-7748. Dostupné na: https://doi.org/10.1007/s10773-020-04507-z

ADCA12 DVUREČENSKIJ, Anatolij** - LACHMAN, Dominik. Spectral resolutions and observables in n-perfect MV-algebras. In Soft Computing, 2020, vol. 24, p. 843-860. (2019: 3.050 - IF, Q2 - JCR, 0.705 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-019-04543-w

ADCA13 DVUREČENSKIJ, Anatolij - LACHMAN, Dominik. Two-dimensional observables and spectral resolutions. In Reports on Mathematical Physics, 2020, vol. 85, no. 2, p. 163-191. (2019: 0.860 - IF, Q4 - JCR, 0.284 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0034-4877. Dostupné na: https://doi.org/10.1016/S0034-4877(20)30023-9

ADCA14 ELIAŠ, Peter - FRIČ, Roman. Conditional probability on full Łukasiewicz tribes. In Soft Computing, 2020, vol. 24, p. 6521-6529. (2019: 3.050 - IF, Q2 - JCR, 0.705 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-020-04762-6

ADCA15 FEČKAN, Michal** - PAČUTA, Július. Averaging methods for second-order differential equations and their application for impact systems. In Mathematics, 2020, vol. 8, no. 916, p. 1-11. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8060916

ADCA16 FEČKAN, Michal - GUAN, Yi - O´REGAN, Donal - WANG, JinRong**. Existence and uniqueness and first order approximation of solutions to atmospheric Ekman flows. In Monatshefte für Mathematik, 2020, vol. 193, p. 623-636. (2019: 0.933 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0026-9255. Dostupné na: https://doi.org/10.1007/s00605-020-01414-7

ADCA17 FEČKAN, Michal** - SATHIYARAJ, T. - WANG, JinRong. Synchronization of butterfly fractional order chaotic system. In Mathematics, 2020, vol. 8, no. 3, p. 1-12. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8030446

ADCA18 FENG, Yan-Quan - HU, Kan - NEDELA, Roman - ŠKOVIERA, Martin - WANG, Na-Er. Complete regular dessins and skew-morphisms of cyclic groups. In Ars Mathematica Contemporanea, 2020, vol. 18, p. 289-307. (2019: 0.642 - IF, Q3 - JCR, 0.666 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1855-3966. Dostupné na: https://doi.org/10.26493/1855-3974.1748.ebd

ADCA19 HOLÁ, Ľubica - NOVOTNÝ, Branislav**. When is the space of minimal usco/cusco maps a topological vector space. In Journal of Mathematical Analysis and Applications, 2020, vol. 489, p. 1-15. (2019: 1.220 - IF, Q1 - JCR, 1.021 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0022-247X. Dostupné na: https://doi.org/10.1016/j.jmaa.2020.124125

ADCA20 HOLÁ, Ľubica - NOVOTNÝ, Branislav**. Topological Properties of the Space of Convex Minimal Usco Maps. In Set-Valued and Variational Analysis, 2020, vol. 28, p. 287-300. (2019: 1.476 - IF, Q2 - JCR, 0.964 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1877-0533. Dostupné na: https://doi.org/10.1007/s11228-019-00509-0

ADCA21 JENČOVÁ, Anna - PLÁVALA, Martin**. Structure of quantum and classical implementations of the Popescu-Rohrlich box. In Physical Review A, 2020, vol. 102, art.no. 042208, p. 1-14. (2019: 2.777 - IF, Q2 - JCR, 1.416 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1050-2947. Dostupné na: https://doi.org/10.1103/PhysRevA.102.042208

ADCA22 KABÁTH, Petr - SKARKA, Marek - SABOTTA, S. - GUENTHER, E. - JONES, D. - KLOCOVÁ, T. - ŠUBJAK, Ján - ŽÁK, Jiří - ŠPOKOVÁ, M. - BLAŽEK, M. - DVOŘÁKOVÁ, J. - DUPKALA, Daniel - FUCHS, J. - HATZES, A. - KORTUSOVÁ, E. - NOVOTNÝ, R. - PLÁVALOVÁ, Eva - ŘEZBA, L. - SLOUP, J. - ŠKODA, Petr - ŠLECHTA, Miroslav. Ondřejov Echelle spectograph, ground based support facility for exoplanet missions. In Publications of the Astronomical Society of the Pacific, 2020, vol. 132, art.no. 035002, p. 1-12. (2019: 3.982 - IF, Q2 - JCR, 1.536 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0004-6280. Dostupné na: https://doi.org/10.1088/1538-3873/ab6752

ADCA23 KAJANOVIČOVÁ, Viktória - NOVOTNÝ, Branislav** - POSPÍŠIL, Michal. Ramsey model with non-constant population growth. In MATH SOC SCI, 2020, vol. 104, p. 40-46. (2019: 0.669 - IF, Q4 - JCR, 0.473 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0165-4896. Dostupné na: https://doi.org/10.1016/j.mathsocsci.2020.01.004 https://doi.org/10.1016/j.mathsocsci.2020.01.004

ADCA24 KOCHOL, Martin. Interpretations of the Tutte polynomials of regular matroids. In Advances in applied mathematics, 2019, vol. 111, 101934, p. 1-19. (2018: 1.008 - IF, Q3 - JCR, 0.688 - SJR, Q2 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0196-8858. Dostupné na: https://doi.org/10.1016/j.aam.2019.101934

ADCA25 KUZNETSOV, E. D. - ROSAEV, A. - PLÁVALOVÁ, Eva - SAFRONOVA, V. S. - VASILEVA, M. A. A search for young asteroid pairs with close orbits. In Solar System Research, 2020, vol. 54, no. 3, p. 236-252. (2019: 0.756 - IF, Q4 - JCR, 0.312 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0038-0946. Dostupné na: https://doi.org/10.1134/S0038094620030077

ADCA26 LI, Mengmeng - WANG, JinRong - O´REGAN, Donal - FEČKAN, Michal. Center Manifolds for Non-instantaneous Impulsive Equations Under Nonuniform Hyperbolicity. In Comptes Rendus Mathematique, 2020, vol. 358, no. 3, p. 341-364. (2019: 0.719 - IF, Q3 - JCR, 0.869 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1631-073X. Dostupné na: https://doi.org/10.5802/crmath.47

ADCA27 LIU, Kui - FEČKAN, Michal** - WANG, JinRong. A fixed-point approach to the Hyers-Ulam stability of Caputo-Fabrizio fractional differential equations. In Mathematics, 2020, vol. 8, no. 647, p. 1-12. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8040647

ADCA28 LIU, Kui - FEČKAN, Michal** - WANG, JinRong. Hyers-Ulam stability and existence of solutions to the generalized Liouville-Caputo fractional differential equations. In Symmetry-basel, 2020, vol. 12, no. 955, p. 1-18. (2019: 2.645 - IF, Q2 - JCR, 0.365 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2073-8994. Dostupné na: https://doi.org/10.3390/sym12060955

ADCA29 LIU, Kui - WANG, JinRong - O´REGAN, Donal - FEČKAN, Michal. A New Class of (ω, c)-Periodic Non-instantaneous Impulsive Differential Equations. In Mediterranean Journal of Mathematics, 2020, vol. 17, art. no. 155, p. 1-22. (2019: 1.216 - IF, Q1 - JCR, 0.573 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1660-5446. Dostupné na: https://doi.org/10.1007/s00009-020-01574-8

ADCA30 LIU, Shengda - WANG, JinRong** - SHEN, Dong - FEČKAN, Michal. Iterative learning control for nonlinear differential inclusion systems. In International Journal of Robust and Nonlinear Contro, 2020, vol. 30, p. 2937-2952. (2019: 3.503 - IF, Q1 - JCR, 1.631 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1049-8923. Dostupné na: https://doi.org/10.1002/rnc.4920

ADCA31 PLÁVALA, Martin - ZIMAN, Mário. Popescu-Rohrlich box implementation in general probabilistic theory of processes. In Physics Letters A. General Atomic and Solid State Physics, 2020, vol. 384, no. 16, 126323. (2019: 2.278 - IF, Q2 - JCR, 0.513 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0375-9601. Dostupné na: https://doi.org/10.1016/j.physleta.2020.126323

ADCA32 REPICKÝ, Miroslav. Ideal generalizations of Egoroff´s theorem. In Archive for Mathematical Logic, 2020, vol. 59, p. 957-977. (2019: 0.485 - IF, Q4 - JCR, 0.524 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1432-0665. Dostupné na: https://doi.org/10.1007/s00153-020-00725-8

ADCA33 SATHIYARAJ, T. - FEČKAN, Michal - WANG, JinRong. Null controllability results for stochastic delay systems with delayed perturbation of matrices. In Chaos, Solitons and Fractals, 2020, vol. 138, 109927, p. 1-11. (2019: 3.764 - IF, Q1 - JCR, 1.036 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0960-0779. Dostupné na: https://doi.org/10.1016/j.chaos.2020.109927

ADCA34 SHER, Muhammad - SHAH, Kamal - FEČKAN, Michal** - RAHMAT ALI, Khan. Qualitative analysis of multi-terms fractional order delay differential equations via the topological degree theory. In Mathematics, 2020, vol. 8, no. 218, p. 1-13. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8020218

ADCA35 SI, Yuanchao - WANG, JinRong** - FEČKAN, Michal. Controllability of linear and nonlinear systems governed by Stieltjes differential equations. In Applied Mathematics and Computation, 2020, vol. 376, p. 1-24. (2019: 3.472 - IF, Q1 - JCR, 0.969 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0096-3003. Dostupné na: https://doi.org/10.1016/j.amc.2020.125139

ADCA36 WANG, JinRong - LI, Mengmeng - O´REGAN, Donal - FEČKAN, Michal**. Robustness for linear evolution equations with non-instantaneous impulsive effects. In Bulletin des sciences mathématiques, 2020, vol. 159, p. 1-47. (2019: 1.241 - IF, Q2 - JCR, 0.810 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0007-4497. Dostupné na: https://doi.org/10.1016/j.bulsci.2019.102827 https://doi.org/10.1016/j.bulsci.2019.102827

ADCA37 WANG, JinRong - FEČKAN, Michal. Dynamics of a discrete nonlinear prey-predator model. In International Journal of Bifurcation and Chaos, 2020, vol. 30, no. 4, art. no. 2050055, p. 1-15. (2019: 2.469 - IF, Q2 - JCR, 0.715 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0218-1274. Dostupné na: https://doi.org/10.1142/S0218127420500558

ADCA38 WANG, Xiaowen - WANG, JinRong - FEČKAN, Michal. Controllability of conformable differential systems. In Nonlinear Analysis : Modelling and Control, 2020, vol. 25, no. 4, p. 658-674. (2019: 2.780 - IF, Q1 - JCR, 0.757 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1392-5113. Dostupné na: https://doi.org/10.15388/namc.2020.25.18135

ADCA39 WANG, Xu - WANG, JinRong - FEČKAN, Michal**. BP neural network calculus in economic growth modelling of the group of seven. In Mathematics, 2020, vol. 8, no. 37, p. 1-11. (2019: 1.747 - IF, Q1 - JCR, 0.299 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math8010037

ADCA40 YANG, Peng - WANG, JinRong** - FEČKAN, Michal. Boundedness, periodicity, and conditional stability of noninstantaneous impulsive evolution equations. In Mathematical Methods in the Applied Sciences, 2020, vol. 43, p. 5905-5926. (2019: 1.626 - IF, Q2 - JCR, 0.667 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents, WOS, SCOPUS). ISSN 0170-4214. Dostupné na: https://doi.org/10.1002/mma.6332

ADCA41 YOU, Zhongli - FEČKAN, Michal - WANG, JinRong**. Relative controllability of fractional delay differential equations via delayed perturbation of Mittag-Leffler functions. In Journal of Computational and Applied Mathematics, 2020, vol. 378, p. 1-16. (2019: 2.037 - IF, Q1 - JCR, 0.870 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0377-0427. Dostupné na: https://doi.org/10.1016/j.cam.2020.112939

ADCA42 ZHANG, Wenlin - FEČKAN, Michal - WANG, JinRong**. Positive solutions to integral boundary value problems from geophysical fluid flows. In Monatshefte für Mathematik, 2020, vol. 193, p. 901-925. (2019: 0.933 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0026-9255. Dostupné na: https://doi.org/10.1007/s00605-020-01467-8

ADCA43 ZHANG, Wenlin - WANG, JinRong** - FEČKAN, Michal. Existence and uniqueness results for a second order differential equation for the ocean flow in arctic gyres. In Monatshefte für Mathematik, 2020, vol. 193, no. 1, p. 177-192. (2019: 0.933 - IF, Q2 - JCR, 0.755 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0026-9255. Dostupné na: https://doi.org/10.1007/s00605-020-01388-6

ADEA Vedecké práce v ostatných zahraničných časopisoch – impaktovaných

ADEA01 FEČKAN, Michal - LIU, Kui - WANG, JinRong. (ω, c)-Periodic Solutions of Non-Instantaneous Impulsive Evolution Equations. In Dynamic Systems & Applications, 2020, vol. 29, no. 12, p. 3359-3380. (2019: 0.522 - IF, Q4 - JCR, 0.208 - SJR, Q4 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1056-2176. Dostupné na: https://doi.org/10.46719/dsa202029125

ADEB Vedecké práce v ostatných zahraničných časopisoch – neimpaktovaných

ADEB01 CUVALCIOGLU, Gokhan - BUREVA, Veselina - MICHALÍKOVÁ, Alžbeta. Intercriteria analysis applied to university ranking system of Turkey. In Notes on Intuitionistic Fuzzy Sets, 2019, vol. 25, no. 4, p. 90-97. ISSN 1310-4926. Dostupné na: https://doi.org/10.7546/nifs.2019.25.4.90-97

ADEB02 ČECH, Radek - KOSEK, Pavel - MAČUTEK, Ján - NAVRÁTILOVÁ, Olga. Proč (někdy) nemíchat texty aneb Text jako možná výchozí jednotka lingvistické analýzy. In Naše řeč, 2020, vol. 103, no. 1-2, p. 24-36. ISSN 0027-8203.

ADEB03 ČUNDERLÍKOVÁ, Katarína. Individual ergodic theorem for intuitionistic fuzzy observables using IF-probability. In Notes on Intuitionistic Fuzzy Sets, 2019, vol. 25, no. 4, p. 37-47. ISSN 1310-4926. Dostupné na: https://doi.org/10.7546/nifs.2019.25.4.37-47

ADEB04 ČUNDERLÍKOVÁ, Katarína. Conditional intuitionistic fuzzy probability and martingale convergence theorem using IF-probability. In Notes on Intuitionistic Fuzzy Sets, 2020, vol. 26, no. 3, p. 13-21. ISSN 1310-4926. Dostupné na: https://doi.org/10.7546/nifs.2020.26.3.13-21

ADEB05 DVUREČENSKIJ, Anatolij** - ZAHIRI, Omid. What are pseudo EMV-algebras? In Journal of Algebraic Hyperstructures and Logical Algebras, 2020, vol. 1, no. 1, p. 1-20. ISSN 2676-6000. Dostupné na: https://doi.org/10.29252/hatef.jahla.1.1.1

ADEB06 KUZNETSOV, E. D. - ROSAEV, A. - PLÁVALOVÁ, Eva - SAFRONOVA, V. S. Age estimation of asteroid pair with close orbits. In INASAN Science Reports, 2020, vol. 5, no. 2, p. 52-55. ISSN 2712-8318. Dostupné na: https://doi.org/10.26087/INASAN.2020.5.2.003

ADEB07 MICHALÍKOVÁ, Alžbeta. Intuitionistic fuzzy negations and their use in image classification. In Notes on Intuitionistic Fuzzy Sets, 2020, vol. 26, no. 3, p. 22-32. ISSN 1310-4926. Dostupné na: https://doi.org/10.7546/nifs.2020.26.3.22-32

ADFB Vedecké práce v ostatných domácich časopisoch – neimpaktovaných

ADFB01 PAŠTÉKA, Milan. Central Limit Theorem and The Distribution of Sequences. In Tatra Mountains Mathematical Publications, 2020, vol. 77, p. 43-52. (2019: 0.214 - SJR, Q4 - SJR). ISSN 1210-3195. Dostupné na: https://doi.org/10.2478/tmmp-2020-0031

ADMA Vedecké práce v zahraničných impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADMA01 BYUN, Yanghyun - KORBAŠ, Július - ZVENGROWSKI, Peter. Vector fields on projective Stiefel manifolds and the Browder-Dupont invariant. In Topology and its Applications, 2020, vol. 284, art. no. 107364, p. 1-18. (2019: 0.531 - IF, Q4 - JCR, 0.594 - SJR, Q3 - SJR). ISSN 0166-8641. Dostupné na: https://doi.org/10.1016/j.topol.2020.107364

ADMA02 CATERINO, A - CEPPITELLI, R** - HOLÁ, Ľubica. On the jointly continuous utility representation problem. In Topology and its Applications, 2019, vol. 268, p. 1-13. (2018: 0.416 - IF, Q4 - JCR, 0.574 - SJR, Q2 - SJR). ISSN 0166-8641. Dostupné na: https://doi.org/10.1016/j.topol.2019.106919

ADMA03 ČUNDERLÍKOVÁ, Katarína**. Product operation and joint interval valued observable. In Iranian Journal of Fuzzy Systems, 2020, vol. 17, no. 4, p. 1-6. (2019: 2.276 - IF, Q1 - JCR, 0.512 - SJR, Q2 - SJR). ISSN 1735-0654. Dostupné na: https://doi.org/10.22111/ijfs.2020.5401

ADMA04 ČUNDERLÍKOVÁ, Katarína**. Individual ergodic theorem for intuitionistic fuzzy observables using intuitionistic fuzzy state. In Iranian Journal of Fuzzy Systems, 2020, vol. 17, no. 5, p. 13-22. (2019: 2.276 - IF, Q1 - JCR, 0.512 - SJR, Q2 - SJR). ISSN 1735-0654. Dostupné na: https://doi.org/10.22111/ijfs.2020.5510

ADMA05 DOBREV, Stefan - KRANAKIS, E. - KRIZANC, D. - LAFOND, Manuel - MAŇUCH, Ján - NARAYANAN, Lata - OPATRNY, Jaroslav - STACHO, Ladislav. Weak Coverage of a Rectangular Barrier. In Algorithmica, 2020, vol. 82, no. 4, p. 721-746. (2019: 0.650 - IF, Q4 - JCR, 0.565 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0178-4617. Dostupné na: https://doi.org/10.1007/s00453-019-00611-7

ADMA06 FELAHAT, M. - KADKHODA, Nematollah - FEČKAN, Michal**. Investigation of solutions to the fractional integro-differential equations of Bratu-type using legendre wavelets method. In Miskolc Mathematical Notes, 2020, vol. 21, no. 1, p. 189-202. (2019: 0.677 - IF, Q3 - JCR, 0.312 - SJR, Q3 - SJR). ISSN 1787-2405. Dostupné na: https://doi.org/10.18514/MMN.2020.2994

ADMA07 HOLÁ, Ľubica. Embeddings in the Fell and Wijsman Topologies. In Filomat, 2019, vol. 33, no. 9, p. 2747-2750. (2018: 0.789 - IF, Q2 - JCR, 0.383 - SJR, Q2 - SJR). ISSN 0354-5180. Dostupné na: https://doi.org/10.2298/FIL1909747H

ADMA08 HOSPODÁR, Michal - HOLZER, Markus. The Ranges of Accepting State Complexities of Languages Resulting from Some Operations. In International Journal of Foundations of Computer Science, 2020, vol. 31, no. 8, p. 1159-1177. (2019: 0.523 - IF, Q4 - JCR, 0.334 - SJR, Q2 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0129-0541. Dostupné na: https://doi.org/10.1142/S0129054120420083

ADMA09 POSPÍŠIL, Michal**. Representation of solutions of systems of linear differential equations with multiple delays and nonpermutable variable coefficients. In Mathematical Modelling and Analysis, 2020, vol. 25, no. 2, p. 303-322. (2019: 0.957 - IF, Q2 - JCR, 0.351 - SJR, Q3 - SJR). ISSN 1392-6292. Dostupné na: https://doi.org/10.3846/mma.2020.11194 https://doi.org/10.3846/mma.2020.11194

ADMB Vedecké práce v zahraničných neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADMB01 AGAOGLOU, Makrina - FEČKAN, Michal** - PANAGIOTIDOU, Angeliki P. Existence and uniqueness of (ω,c)-periodic solutions of semilinear evolution equations. In International Journal of Dynamical Systems and Differential Equations : Int J Dynamical Systems and Differential Equations, 2020, vol. 10, no. 2, p. 149-166. (2019: 0.144 - SJR, Q3 - SJR). ISSN 1752-3583. Dostupné na: https://doi.org/10.1504/IJDSDE.2020.106027

ADMB02 BEČKA, Martin - OKŠA, Gabriel**. Preconditioned Jacobi SVD Algorithm Outperforms PDGESVD. In Lecture Notes in Computer Science : Parallel Processing and Applied Mathematics, 2020, vol. 12043, p. 555-566. (2019: 0.427 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-43229-4_47

ADMB03 DILNA, Nataliya. On Non-local Boundary-Value Problems for Higher-Order Non-linear Functional Differential Equations. In Springer Proceedings in Mathematics and Statistics 333 : Differential and Difference Equations with Applications. - Springer, 2020, 2020, p. 535-548. ISBN 978-3-030-56323-3. Dostupné na: https://doi.org/10.1007/978-3-030-56323-3_40

ADMB04 DOBREV, Stefan - KRÁLOVIČ, Rastislav** - PARDUBSKÁ, Dana. Improved Lower Bounds for Shoreline Search. In Lecture Notes in Computer Science : SIROCCO 2020, 2020, vol. 12156, p. 80-90. (2019: 0.427 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-54921-3_5

ADMB05 DOBREV, Stefan - KRÁLOVIČ, Rastislav - PARDUBSKÁ, Dana. Exploration of Time-Varying Connected Graphs with Silent Agents. In Lecture Notes in Computer Science : SIROCCO 2020, 2020, vol. 12156, p. 146-162. (2019: 0.427 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-54921-3_9

ADMB06 DVUREČENSKIJ, Anatolij**. States on wEMV-algebras. In Bollettino dell´Unione Matematica Italiana, 2020, vol. 13, p. 515-527. (2019: 0.600 - SJR, Q2 - SJR). ISSN

1972-6724. Dostupné na: https://doi.org/10.1007/s40574-020-00233-w

ADMB07 HALUŠKOVÁ, Emília. Some monounary algebras with EKP. In Mathematica Bohemica, 2020, vol. 145, no. 4, p. 401-414. (2019: 0.203 - SJR, Q4 - SJR). ISSN 0862-7959. Dostupné na: https://doi.org/10.21136/MB.2019.0128-18

ADMB08 HOSPODÁR, Michal - MLYNÁRČIK, Peter. Operations on permutation automata. In Lecture Notes in Computer Science : Developments in Language Theory, 2020, vol. 12086, p. 122-136. (2019: 0.427 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-030-48516-0_10

ADMB09 KOCHOL, Martin. Modifications of Tutte-Grothendieck invariants and Tutte polynomials. In AKCE International Journal of Graphs and Combinatorics, 2020, vol. 17, no. 1, p. 70-73. (2019: 0.232 - SJR, Q3 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 0972-8600. Dostupné na: https://doi.org/10.1016/j.akcej.2018.05.001

ADMB10 MICHALÍKOVÁ, Alžbeta** - RIEČAN, Beloslav. On States on Fuzzy MV-algebra. In Advances in Intelligent Systems and Computing.Uncertainty and Imprecision in Decision Making and Decision Support: New Challenges, Solutions and Perspectives. - Cham : Springer, 2020, 2020, vol. 1081, p. 40-46. (2019: 0.180 - SJR, Q3 - SJR). ISBN 978-3-030-47023-4. ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-030-47024-1_5

ADMB11 NEDELA, Roman** - PONOMARENKO, Ilia. Recognizing and Testing Isomorphism of Cayley Graphs over an Abelian Group of Order 4p in Polynomial Time. In Springer Proceedings in Mathematics and Statistics 305 : Isomorphisms, Symmetry and Computations in Algebraic Graph Theory. - Springer, 2016, 2020, vol. 305, p. 195-218. ISBN 978-3-030-32808-5. Dostupné na: https://doi.org/10.1007/978-3-030-32808-5_7

ADNA Vedecké práce v domácich impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADNA01 BADAWY, Abd El-Mohsen - HAVIAR, Miroslav - PLOŠČICA, Miroslav. Congruence pairs of principal MS-algebras and perfect extensions. In Mathematica Slovaca, 2020, vol. 70, no. 6, p. 1275-1288. (2019: 0.654 - IF, Q3 - JCR, 0.397 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: https://doi.org/10.1515/ms-2017-0430

ADNA02 FRIČ, Roman** - ELIAŠ, Peter - PAPČO, Martin. Divisible extension of probability. In Mathematica Slovaca, 2020, vol. 70, no. 6, p. 1445-1456. (2019: 0.654 - IF, Q3 - JCR, 0.397 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: https://doi.org/10.1515/ms-2017-0441

ADNA03 KOŠČOVÁ, Michaela - HARMAN, Radoslav - MAČUTEK, Ján. Iterated partial summations applied to finite-support discrete distributions. In Mathematica Slovaca, 2020, vol. 70, no. 2, p. 489-496. (2019: 0.654 - IF, Q3 - JCR, 0.397 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: https://doi.org/10.1515/ms-2017-0366

ADNA04 WITKOVSKÝ, Viktor - WIMMER, Gejza - DUBY, T. Estimating the distribution of a stochastic sum of IID random variables. In Mathematica Slovaca, 2020, vol. 70. no. 3, p. 759-774. (2019: 0.654 - IF, Q3 - JCR, 0.397 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: https://doi.org/10.1515/ms-2017-0389

ADNB Vedecké práce v domácich neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADNB01 CATERINO, A - CEPPITELLI, R - HOLÁ, Ľubica. On the jointly continuous multi-utility representation problem. In APLIMAT 2020 : 19th Conference on Applied Mathematics. - Bratislava : STU, 2020, 2020, p. 212-223. ISBN 978-1-7138-0796-4.

ADNB02 LEŠŠOVÁ, L. - MAČUTEK, Ján. On the limit behaviour of finite-support bivariate discrete probability distributions under iterated partial summations. In Acta Mathematica Universitatis Comenianae, 2020, vol. 89, no. 2, p. 351-359. (2019: 0.335 - SJR, Q3 - SJR). ISSN 0862-9544.

AECA Vedecké práce v zahraničných recenzovaných zborníkoch a kratšie kapitoly/state v zahraničných vedeckých monografiách alebo VŠ učebniciach

AECA01 BATTELLI, Flaviano - FEČKAN, Michal. On the Poincaré-Andronov-Melnikov method for modelling of grazing periodic solutions in discontinuous systems. In Mathematical Modelling in Health, Social and Applied Sciences. - Cham : Springer, 2020, p. 241-259. ISBN 978-981-15-2286-4. Dostupné na: https://doi.org/10.1007/978-981-15-2286-4_7

AECA02 ČUNDERLÍKOVÁ, Katarína - BARTKOVÁ, Renáta. Basic Theorems from Extreme Value Theory for MV-algebras. In Issues in Intuitionistic Fuzzy Sets and Generalized Nets. Vol. 14 (2018-2019), p. 1-24. - Warsaw, Poland : Warsaw School of Information Technology, 2020. ISBN 978-83-61551-23-2.

AECA03 WILSON, Andrew - MAČUTEK, Ján. A Classification of the Celtic Languages Based on Grapheme Frequencies. In Words and Numbers : In Memory of Peter Grzybek (1957-2019). - Ludenscheid, Germany : RAM-Verlag, 2020, p. 53-68. ISBN 978-3-942303-89-7.

AFG Abstrakty príspevkov zo zahraničných konferencií

AFG01 JIRÁSEK, Jozef - JIRÁSKOVÁ, Galina. Multiple Concatenation and State Complexity (Extended Abstract). In Descriptional Complexity of Formal Systems : Proceedings LNCS 12442. - Springer International Publishing, 2020, p. 78-90. ISBN 978-3-030-62536-8.

FAI Zostavovateľské práce knižného charakteru (bibliografie, encyklopédie, katalógy, slovníky, zborníky, atlasy ...)

FAI01 Descriptional Complexity of Formal Systems : Proceedings LNCS 12442. Eds. Galina Jiraskova, Giovanni Pighizzini. Springer International Publishing, 2020. 245 p. LNCS, 12442. Dostupné na: https://doi.org/10.1007/978-3-030-62536-8 . ISBN 978-3-030-62536-8

FAI02 Globálne existenciálne riziká 2019 : zborník o IX. medzinárodnej vedeckej konferencie, 2. december 2019, Bratislava. Eds. Miroslav RUSKO - Ivan KLINEC – Karol NEMOGA. Žilina : Strix, 2019. 274 s. ESE, 51. Dostupné na internete: <https://www.sszp.eu/?p=2914#respond>. ISBN 978-80-89753-35-2 (Globálne existenciálne riziká 2019 : medzinárodná vedecká konferencia)

GHG Práce zverejnené spôsobom umožňujúcim hromadný prístup

GHG01 OKŠA, Gabriel - YAMAMOTO, Yusaku - VAJTERŠIC, Marián. On convergence to singular triplets in the two-sided block-Jacobi SVD algorithm with dynamic ordering: Part I : Technical report 2020-02 [elektronický zdroj]. Salzburg : Universität Salzburg, 2020. 19 p. Názov z internetu. Požaduje sa Adobe Reader. Dostupné na internete: <https://uni-salzburg.at/fileadmin/multimedia/Computerwissenschaften/documents/Technical_Reports/2020-02_Oksa_Yamamoto_Vajtersic.pdf>

GII Rôzne publikácie a dokumenty, ktoré nemožno zaradiť do žiadnej z predchádzajúcich kategórií

GII01 DVUREČENSKIJ, Anatolij. RNDr. Kvetoslava Dvořáková passed away. In Mathematica Slovaca, 2019, vol. 69, no. 6, p. 1235-1236. (2018: 0.490 - IF, Q4 - JCR, 0.279 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: https://doi.org/10.1515/ms-2017-0326

GII02 DVUREČENSKIJ, Anatolij. DOC. RNDr. Roman Frič, DrSc. - 3/4 C? In Mathematica Slovaca, 2020, vol. 70, no. 1, p. 1-4. (2019: 0.654 - IF, Q3 - JCR, 0.397 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: https://doi.org/10.1515/ms-2017-0326

GII03 FEČKAN, Michal** - MARYNETS, Kateryna. Study of differential equations with exponential nonlinearities via the Lower and Upper Solutions Method. In Numerical Analysis and Applicable Mathematics, 2020, vol. 1, no. 2, p. 1-7. Dostupné na: https://doi.org/10.36686/Ariviyal.NAAM.2020.01.02.007

GII04 HOSPODÁR, Michal - JIRÁSKOVÁ, Galina - PIGHIZZINI, Giovanni. Preface : NCMA 2018. In Journal of Automata, Languages and Combinatorics : Special issue dedicated to NCMA 2018, 2020, vol. 25, no. 2-3, p. 81-82. (2019: 0.172 - SJR, Q4 - SJR). ISSN 1430-189X. Dostupné na: https://doi.org/10.25596/jalc-2020-081

GII05 ROSAEV, A. - PLÁVALOVÁ, Eva - GALIAZZO, Mattia. List of the Close Asteroid Pairs Strongly Perturbed by Three-body Resonances. In Research Notes of the American Astronomical Society, 2020, vol. 4, no. 12, id 239, p. 1. ISSN 2515-5172. Dostupné na: https://doi.org/10.3847/2515-5172/abd3a1

Ohlasy (citácie):

AAA Vedecké monografie vydané v zahraničných vydavateľstvách

AAA01 BARTKOVÁ, Renáta - RIEČAN, Beloslav - TIRPÁKOVÁ, Anna. Probability theory for fuzzy quantum spaces with statistical applications. Sharjah, UAE : Bentham Science Publishers, 2017. 190 p. ISBN 978-1-68108-539-5

Citácie:

1. [1.1] VOJTEKOVA, Jana - VOJTEK, Matej. GIS-Based Landscape Stability Analysis: A Comparison of Overlay Method and Fuzzy Model for the Case Study in Slovakia. In PROFESSIONAL GEOGRAPHER. ISSN 0033-0124, 2019, vol. 71, no. 4, pp. 631-644., Registrované v: WOS

AAA02 DVUREČENSKIJ, Anatolij - PULMANNOVÁ, Sylvia. New Trends in Quantum Structures. Dordrecht : Kluwer Academic ; Bratislava : Ister Science, 2000. 541+xvi pp. ISBN 0-7923-6471-6

Citácie:

1. [1.1] AVALLONE, Anna - VITOLO, Paolo. Hahn decomposition in d(0)-algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 22, pp. 11373-11388., Registrované v: WOS

2. [1.1] BARBIERI, Giuseppina. A DIEUDONNE THEOREM FOR LATTICE GROUP-VALUED MEASURES. In KYBERNETIKA. ISSN 0023-5954, 2019, vol. 55, no. 5, pp. 870-878., Registrované v: WOS

3. [1.1] BORZYSZKOWSKI, Andrzej M. Regular Orthomodular Posets. In FUNDAMENTA INFORMATICAE. ISSN 0169-2968, 2019, vol. 166, no. 1, pp. 15-28., Registrované v: WOS

4. [1.1] CHAJDA, Ivan - FAZIO, Davide - LEDDA, Antonio. A semiring-like representation of lattice pseudoeffect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 5, pp. 1465-1475., Registrované v: WOS

5. [1.1] CHAJDA, Ivan - LAENGER, Helmut - PASEKA, Jan. The Logic of Lattice Effect Algebras Based on Induced Groupoids. In JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING. ISSN 1542-3980, 2019, vol. 33, no. 3, pp. 161-175., Registrované v: WOS

6. [1.1] FURBER, Robert. Categorical Equivalences from State-Effect Adjunctions. In ELECTRONIC PROCEEDINGS IN THEORETICAL COMPUTER SCIENCE. ISSN 2075-2180, 2019, vol., no. 287, pp. 107-126., Registrované v: WOS

7. [1.1] GUDDER, Stan. Contexts in Convex and Sequential Effect Algebras. In ELECTRONIC PROCEEDINGS IN THEORETICAL COMPUTER SCIENCE. ISSN 2075-2180, 2019, vol., no. 287, pp. 191-211., Registrované v: WOS

8. [1.1] GUO, Yanan - XIE, Yongjian. Direct limits of generalized pseudo-effect algebras with the Riesz decomposition properties. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 4, pp. 1071-1078., Registrované v: WOS

9. [1.1] HEUNEN, Chris - LINDENHOVIUS, Bert. Domains of commutative C-subalgebras. In MATHEMATICAL STRUCTURES IN COMPUTER SCIENCE. ISSN 0960-1295, 2019, vol. 29, no. 7, pp. 972-1006., Registrované v: WOS*

10. [1.1] JANDA, Jiri - LI, Yongming. The sum of observables on a sigma-distributive lattice effect algebra. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 16, pp. 6743-6753., Registrované v: WOS

11. [1.1] JENCOVA, Anna - PLAVALA, Martin. On the properties of spectral effect algebras. In QUANTUM. ISSN 2521-327X, 2019, vol. 3, pp. 148-160., Registrované v: WOS

12. [1.1] JI, Wei - XIE, Hai. Hyper-commutators in effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, pp. 5967-5973., Registrované v: WOS

13. [1.1] KHARE, Mona - PANDEY, Pratibha. Extensions of a tight function and their continuity in quantum logic. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 22, pp. 11389-11398., Registrované v: WOS

14. [1.1] KHARE, Mona - PANDEY, Pratibha. TRANSITIVITY AND EQUICONTINUITY IN QUANTUM MEASURE SPACES. In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2019, vol. 84, no. 2, pp. 253-268., Registrované v: WOS

15. [1.1] LIU, H. - FAN, W. - WANG, S. Convex structures via convex L-subgroups of an L-ordered group. In IRANIAN JOURNAL OF FUZZY SYSTEMS. ISSN 1735-0654, 2019, vol. 16, no. 6, pp. 75-87., Registrované v: WOS
16. [1.1] LIU, Hongxing. On categorical equivalences of equality algebras and monadic equality algebras. In LOGIC JOURNAL OF THE IGPL. ISSN 1367-0751, 2019, vol. 27, no. 3, pp. 267-280., Registrované v: WOS
17. [1.1] LU, W. - SCOTT, P. J. Coordinatizing some concrete MV algebras and a decomposition theorem. In SEMIGROUP FORUM. ISSN 0037-1912, 2019, vol. 98, no. 2, pp. 213-233., Registrované v: WOS
18. [1.1] MOLKHASI, A. - SHUM, K. P. Representations of strongly algebraically closed algebras. In ALGEBRA & DISCRETE MATHEMATICS. ISSN 1726-3255, 2019, vol. 28, no. 1, pp. 130-143., Registrované v: WOS
19. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. On MV-Algebraic Versions of the Strong Law of Large Numbers. In ENTROPY, 2019, vol. 21, no. 7, art.no. 710., Registrované v: WOS
20. [1.1] SHARAFI, Amir Hossein - HORZOOEI, Rajb Ali. QUOTIENT STRUCTURES IN LATTICE EFFECT ALGEBRAS. In KYBERNETIKA. ISSN 0023-5954, 2019, vol. 55, no. 5, pp. 879-895., Registrované v: WOS
21. [1.1] SINGH, Akhilesh Kumar. Signed lambda-Measures on Effect Algebras. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES. ISSN 0369-8203, 2019, vol. 89, no. 4, pp. 729-735., Registrované v: WOS
22. [1.1] WU, Yali - WANG, Jing - YANG, Yichuan. Lattice-ordered effect algebras and L-algebras. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 369, no., pp. 103-113., Registrované v: WOS
23. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS
24. [1.1] YANG, Yongwei - WANG, Yongzhao - XIN, Xiaolong. CHARACTERIZATIONS OF MV-ALGEBRAS IN TERMS OF CUBIC SETS. In ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS. ISSN 1126-8042, 2019, vol., no. 41, pp. 434-455., Registrované v: WOS
25. [1.1] YANG, Yongwei - ZHU, Kuanyun. MV-algebras with pseudo MV-valuations. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 37, no. 2, pp. 2621-2636., Registrované v: WOS
26. [1.2] CHAJDA, Ivan - LÄNGER, Helmut. Residuation in lattice effect algebras. In Fuzzy Sets and Systems. ISSN 01650114, 2019-01-01., Registrované v: SCOPUS
27. [1.2] NAVARA, Mirko - VORÁČEK, Václav. Quantum Structures Without Group-Valued Measures. In International Journal of Theoretical Physics. ISSN 00207748, 2019-01-01, Registrované v: SCOPUS
28. [1.2] NÁNÁSIOVÁ, Oľga - VALÁŠKOVÁ, Ľubica - ČERŇANOVÁ, Viera. Probability measures and logical connectives on quantum logics. In Journal of Automation, Mobile Robotics and Intelligent Systems. ISSN 18978649, 2019-01-01, 13, 3, pp. 64-73., Registrované v: SCOPUS
29. [1.2] PTÁK, Pavel - WEBER, Hans. A Note on Extensions of Non-additive Measures. In International Journal of Theoretical Physics. ISSN 00207748, 2019-01-01, Registrované v: SCOPUS

30. [1.2] RAFIEE RAD, Soroush - SHARAFI, Amir Hossein - SMETS, Sonja. A Complete Axiomatisation for the Logic of Lattice Effect Algebras. In International Journal of Theoretical Physics. ISSN 00207748, 2019-01-01, Registrované v: SCOPUS
31. [1.2] TKADLEC, Josef. Interpolations in Posets and Effect Algebras. In International Journal of Theoretical Physics. ISSN 00207748, 2019-01-01, doi.org/10.1007/s10773-019-04079-7, Registrované v: SCOPUS
32. [2.1] BARBIERI, Giuseppina - GARCIA-PACHECO, Francisco J. - MORENO-PULIDO, Soledad. MEASURES ON EFFECT ALGEBRAS. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 1, pp. 159-170., Registrované v: WOS
33. [2.2] BABICOVÁ, Dušana - FRIČ, Roman. Real Functions in Stochastic Dependence. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 17-34., Registrované v: SCOPUS
34. [2.2] FRIČ, Roman. Product of Measurable Spaces and Applications. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 47-56., Registrované v: SCOPUS

AAA03 DVUREČENSKIJ, Anatolij. Gleason´s Theorem and Its Applications. Dordrecht : Kluwer Academic Publishers, 1993. 325+xv pp. ISBN 978-0-7923-1990-0

Citácie:
1. [1.1] MORETTI, Valter - OPPIO, Marco. Quantum theory in quaternionic Hilbert space: How Poincare symmetry reduces the theory to the standard complex one. In REVIEWS IN MATHEMATICAL PHYSICS. ISSN 0129-055X, 2019, vol. 31, no. 4, art. no. 1950013., Registrované v: WOS
2. [2.1] MASSRI, Cesar - HOLIK, Federico - PLASTINO, Angelo. STATES IN GENERALIZED PROBABILISTIC MODELS: AN APPROACH BASED IN ALGEBRAIC GEOMETRY. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 1, pp. 53-70., Registrované v: WOS

AAA04 FEČKAN, Michal. Topological degree approach to bifurcation problems. Berlin : Springer, 2008. 261 s. ISBN 978-1-4020-8723-3

Citácie:
1. [1.1] LI, Yurong - DU, Zhengdong. APPLYING BATTELLI-FECKAN';S METHOD TO TRANSVERSAL HETEROCLINIC BIFURCATION IN PIECEWISE SMOOTH SYSTEMS. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B. ISSN 1531-3492, 2019, vol. 24, no. 11, pp. 6025-6052., Registrované v: WOS

AAA05 FEČKAN, Michal. Bifurcation and chaos in discontinuous and continuous systems : [1.] vyd. Berlin : Springer-Verlag, 2011. 378 s. ISBN 978-7-04-031533-2

Citácie:
1. [1.1] BIELECKI, Andrzej. Models of Neurons and Perceptrons: Selected Problems and Challenges Introduction. In MODELS OF NEURONS AND PERCEPTRONS: SELECTED PROBLEMS AND CHALLENGES. ISSN 1860-949X, 2019, vol. 770, no., pp. 1-+., Registrované v: WOS
2. [1.1] FAN, Zhihui - DU, Zhengdong. Bifurcation of Periodic Orbits Crossing Switching Manifolds Multiple Times in Planar Piecewise Smooth Systems. In INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS. ISSN 0218-1274, 2019, vol. 29, no. 12., Registrované v: WOS

3. [1.1] LI, Yurong - DU, Zhengdong. APPLYING BATTELLI-FECKAN';S METHOD TO TRANSVERSAL HETEROCLINIC BIFURCATION IN PIECEWISE SMOOTH SYSTEMS. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B. ISSN 1531-3492, 2019, vol. 24, no. 11, pp. 6025-6052., Registrované v: WOS

4. [1.1] MINHOS, Feliz - DE SOUSA, Robert. Existence of homoclinic solutions for nonlinear second-order coupled systems. In JOURNAL OF DIFFERENTIAL EQUATIONS. ISSN 0022-0396, 2019, vol. 266, no. 2-3, pp. 1414-1428., Registrované v: WOS

AAA06 FEČKAN, Michal - POSPÍŠIL, Michal. Poincaré-Andronov-Melnikov Analysis for Non-Smooth Systems. Amsterdam : Elsevier, 2016. 244 p. ISBN 978-0-12-804294-6

Citácie:

1. [1.1] BUROV, Alexander A. - NIKONOV, Vasily. On the nonlinear Meissner equation. In INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS. ISSN 0020-7462, 2019, vol. 110, p. 26-32., Registrované v: WOS

2. [1.1] HOSHAM, Hany A. - ABOU ELELA, Eman D. DISCONTINUOUS PHENOMENA IN BIOREACTOR SYSTEM. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B. ISSN 1531-3492, 2019, vol. 24, no. 6, pp. 2955-2969., Registrované v: WOS

3. [1.1] HOSHAM, Hany A. Discontinuous phenomena in bioreactor and membrane reactor systems. In INTERNATIONAL JOURNAL OF BIOMATHEMATICS. ISSN 1793-5245, 2019, vol. 12, no. 4, art. no. 1950046., Registrované v: WOS

AAA07 FEČKAN, Michal - WANG, JinRong - POSPÍŠIL, Michal. Fractional-order equations and inclusions. Berlin : Walter de Gruyter, 2017. 366 p. Fractional Calculus in Applied Sciences and Engineering, vol. 3. ISBN 978-3-11-052138-2

Citácie:

1. [1.1] MA, Li. COMPARISON THEOREMS FOR CAPUTO-HADAMARD FRACTIONAL DIFFERENTIAL EQUATIONS. In FRACTALS-COMPLEX GEOMETRY PATTERNS AND SCALING IN NATURE AND SOCIETY. ISSN 0218-348X, 2019, vol. 27, no. 3, art. no. 1950036., Registrované v: WOS

2. [1.1] ZAHARIEV, Andrey - KISKINOV, Hristo - ANGELOVA, Evgeniya. LINEAR FRACTIONAL SYSTEM OF INCOMMENSURATE TYPE WITH DISTRIBUTED DELAY AND BOUNDED LEBESGUE MEASURABLE INITIAL CONDITIONS. In DYNAMIC SYSTEMS AND APPLICATIONS. ISSN 1056-2176, 2019, vol. 28, no. 2, pp. 491-506., Registrované v: WOS

3. [1.2] ILOLOV, M. I. - GULJONOV, D. N. - RAHMATOV, J. S. Functional differential inclusions of Hale type with fractional order of derivative in a Banach space. In Chebyshevskii Sbornik. ISSN 22268383, 2019-01-01, 20, 4, pp. 208-225., Registrované v: SCOPUS

4. [3.1] A. ZAHARIEV - H. KISKINOV - E. ANGELOVA. Smoothness of the fundamental matrix of linear fractional system with variable delays. In Neural, Parallel, and Scientific Computation, ISSN: 1061-5369, Vol. 27, no. 2, 2019, p. 71-83.

AAA08 PTAK, Pavel - PULMANNOVÁ, Sylvia. Orthomodular Structures as Quantum Logics. Dordrecht : Kluwer Academic Publishers ; Bratislava : VEDA, 1991. 244 s. ISBN 0-7923-1207-4

Citácie:

1. [1.1] BORZYSZKOWSKI, Andrzej M. Regular Orthomodular Posets. In FUNDAMENTA INFORMATICAE. ISSN 0169-2968, 2019, vol. 166, no. 1, pp. 15-28., Registrované v: WOS

2. [1.1] KHARE, Mona - PANDEY, Pratibha. Extensions of a tight function and their continuity in quantum logic. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 22, pp. 11389-11398., Registrované v: WOS
3. [1.1] LEI, C. - VOURDAS, A. The Desargues and Pappus properties in finite quantum systems. In 32ND INTERNATIONAL COLLOQUIUM ON GROUP THEORETICAL METHODS IN PHYSICS (GROUP32). ISSN 1742-6588, 2019, vol. 1194., Registrované v: WOS
4. [1.1] MATVEJCHUK, M. S. - VLADOVA, E. V. Strong Projections in Hilbert Space and Quantum Logic. In LOBACHEVSKII JOURNAL OF MATHEMATICS. ISSN 1995-0802, 2019, vol. 40, no. 10, p. 1521-1531., Registrované v: WOS
5. [1.1] MATVEJCHUK, Marjan. MEASURE PROBLEM ON CONJUGATION LOGICS. In TWMS JOURNAL OF PURE AND APPLIED MATHEMATICS. ISSN 2076-2585, 2019, vol. 10, no. 1, pp. 47-57., Registrované v: WOS
6. [1.1] MATVEJCHUK, Marjan. Probability measure on real-orthogonal projections. In POSITIVITY. ISSN 1385-1292, 2019, vol. 23, no. 1, pp. 101-109., Registrované v: WOS
7. [1.1] WU, Yali - WANG, Jing - YANG, Yichuan. Lattice-ordered effect algebras and L-algebras. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 369, no., pp. 103-113., Registrované v: WOS
8. [1.2] ADOBBATI, Federica - FERIGATO, Carlo - GANDELLI, Stefano - AUBEL, Adrian Puerto. Two operations for stable structures of elementary regions. In CEUR Workshop Proceedings. ISSN 16130073, 2019-01-01, 2371, pp. 36-53., Registrované v: SCOPUS
9. [1.2] MOLKHASI, Ali - SHUM, K. P. Strongly algebraically closed orthomodular near semirings. In Rendiconti del Circolo Matematico di Palermo. ISSN 0009725X, 2019-01-01., Registrované v: SCOPUS
10. [1.2] NAVARA, Mirko - VORÁČEK, Václav. Quantum Structures Without Group-Valued Measures. In International Journal of Theoretical Physics. ISSN 00207748, 2019-01-01., Registrované v: SCOPUS
11. [1.2] PYKACZ, Jarosław. The Many-Valued Logic of Quantum Mechanics. In International Journal of Theoretical Physics. ISSN 00207748, 2019-01-01., Registrované v: SCOPUS

AAA09 RIEČAN, Beloslav - NEUBRUNN, Tibor. Integral, measure, and ordering. Dordrecht : Kluwer Academic Publishers, 1997. ISBN 80–88683–18–1

Citácie:
1. [1.1] BARBIERI, Giuseppina. A DIEUDONNE THEOREM FOR LATTICE GROUP-VALUED MEASURES. In KYBERNETIKA. ISSN 0023-5954, 2019, vol. 55, no. 5, pp. 870-878., Registrované v: WOS
2. [1.1] BASU, Sanjib - SEN, Debasish. An abstract formulation of a theorem of Sierpinski on the nonmeasurable sum of two measure zero sets. In GEORGIAN MATHEMATICAL JOURNAL. ISSN 1072-947X, 2019, vol. 26, no. 4, pp. 617-620., Registrované v: WOS
3. [1.1] BOCCUTO, Antonio - DIMITRIOU, Xenofon. DIEUDONNE-TYPE THEOREMS FOR LATTICE GROUP-VALUED K-TRIANGULAR SET FUNCTIONS. In KYBERNETIKA. ISSN 0023-5954, 2019, vol. 55, no. 2, pp. 233-251., Registrované v: WOS
4. [1.1] MARKECHOVA, Dagmar - EBRAHIMZADEH, Abolfazl. R-norm entropy and R-norm divergence in product MV-algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, pp. 6085-6095., Registrované v: WOS

5. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. On MV-Algebraic Versions of the Strong Law of Large Numbers. In ENTROPY, 2019, vol. 21, no. 7., Registrované v: WOS
6. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. Strong Laws of Large Numbers for IVM-Events. In IEEE TRANSACTIONS ON FUZZY SYSTEMS. ISSN 1063-6706, 2019, vol. 27, no. 12, pp. 2293-2301., Registrované v: WOS
7. [2.2] BABICOVÁ, Dušana - FRIČ, Roman. Real Functions in Stochastic Dependence. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 17-34., Registrované v: SCOPUS
8. [2.2] FRIČ, Roman. Product of Measurable Spaces and Applications. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 47-56., Registrované v: SCOPUS

AAA10 STRAUCH, Oto - PORUBSKÝ, Š. Distribution of Sequences: A Sampler. Frankfurt am Main : Peter Lang, 2005. 569 p. ISBN 3-631-54013-2

Citácie:
1. [1.1] BUKOR, Jozsef - FILIP, Ferdinand - TOTH, Janos T. On properties derived from different types of asymptotic distribution functions of ratio sequences. In PUBLICATIONES MATHEMATICAE-DEBRECEN. ISSN 0033-3883, 2019, vol. 95, no. 1-2, pp. 219-230., Registrované v: WOS
2. [1.1] MISIK, Ladislav - TOTH, Janos T. On partial limits of sequences. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 375, no., pp. 179-190., Registrované v: WOS
3. [2.2] PASTEKA, Milan. On Partitions and Periodic Sequences. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-08-01, 73, 1, pp. 9-18., Registrované v: SCOPUS

AAA11 TROBEC, Roman - VAJTERŠIC, Marián - ZINTERHOF, Peter. Parallel Computing: Numerics, Applications, and Trends. London : Springer - Verlag, 2009. 520 p. 169 illus. ISBN 978-1-84882-408-9

Citácie:
1. [1.1] NA, Weicong - ZHANG, Wanrong - YAN, Shuxia - LIU, Gaohua. Automated Neural-Based Modeling of Microwave Devices Using Parallel Computation and Interpolation Approaches. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, no., pp. 73929-73937., Registrované v: WOS
2. [1.2] HOLZKE, Wilfried - MATTHIES, David - ORLIK, Bernd. Distributed simulation of wind farm grids. In PCIM Europe Conference Proceedings, 2019-01-01, pp. 1989-1996., Registrované v: SCOPUS
3. [1.2] MOSIN, Sergey - PLESHCHINSKII, Nikolai - PLESHCHINSKII, Ilya - TUMAKOV, Dmitrii. Technique for teaching parallel programming via solving a computational electrodynamics problems. In Communications in Computer and Information Science. ISSN 18650929, 2019-01-01, 965, pp. 149-158., Registrované v: SCOPUS

AAA12 WIMMER, Gejza - ALTMANN, G. Thesaurus of univariate discrete probability distributions. Essen : STAMM, 1999

Citácie:
1. [1.1] BUK, Solomija - KRYNYTSKYI, Yuri - ROVENCHAK, Andrij. PROPERTIES OF AUTOSEMANTIC WORD NETWORKS IN UKRAINIAN TEXTS. In ADVANCES IN COMPLEX SYSTEMS. ISSN 0219-5259, 2019, vol. 22, no. 6., Registrované v: WOS

2. [1.1] CHUKHROVA, Nataliya - JOHANNSSEN, Arne. Improved binomial and Poisson approximations to the Type-A operating characteristic function. In INTERNATIONAL JOURNAL OF QUALITY & RELIABILITY MANAGEMENT. ISSN 0265-671X, 2019, vol. 36, no. 4, p. 620-652., Registrované v: WOS
3. [1.1] RADOJICIC, Marija - LAZIC, Biljana - KAPLAR, Sebastijan - STANKOVIC, Ranka - OBRADOVIC, Ivan - MACUTEK, Jan - LESSOVA, Livia. Frequency and Length of Syllables in Serbian. In GLOTTOMETRICS. ISSN 1617-8351, 2019, vol. 45, no., p. 114-123., Registrované v: WOS
4. [1.2] SANADA, Haruko. Quantitative aspects of the clause: Length, position and depth of the clause. In Journal of Quantitative Linguistics. ISSN 09296174, 2019-10-02, 26, 4, p. 306-329., Registrované v: SCOPUS

AAB Vedecké monografie vydané v domácich vydavateľstvách

AAB01 JAKUBÍKOVÁ-STUDENOVSKÁ, Danica - PÓCS, Jozef. Monounary Algebras. 1. vydanie. Košice : Prírodovedecká Fakulta UPJŠ v Košiciach, 2009. 304 s. ISBN 978-80-7097-763-7

Citácie:

1. [1.1] KATAI-URBAN, Kamilla - PONGRACZ, Andras - SZABO, Csaba. The fine- and generative spectra of varieties of monounary algebras. In ALGEBRA UNIVERSALIS. ISSN 0002-5240, 2019, vol. 80, no. 2., Registrované v: WOS

AAB02 WIMMER, Gejza - PALENČÁR, R. - WITKOVSKÝ, Viktor. Stochastické modely merania. Bratislava : Grafické štúdio Ing. Peter Juriga, 2001. 115 s. ISBN 80-968449-2-X

Citácie:

1. [2.1] KELEMENOVA, Tatiana - DOVICA, Miroslav - KELEMEN, Michal. Condition of Magnetostrictive Sensor for Position Measurement. In 12TH INTERNATIONAL CONFERENCE ON MEASUREMENT (MEASUREMENT 2019), 2019, pp. 278-281., Registrované v: WOS

AAB03 WIMMER, Gejza - ALTMANN, Gabriel - HŘEBÍČEK, L. - ONDREJOVIČ, Slavomír - WIMMEROVÁ, S. Úvod do analýzy textov. Bratislava : Veda, 2003. 344 s. ISBN 80-224-0756-9

Citácie:

1. [1.1] MACUTEK, Jan. Chapters from Corpus Versology. In SLOVO A SLOVESNOST. ISSN 0037-7031, 2019, vol. 80, no. 1, p. 64-67., Registrované v: WOS
2. [4.1] LIGOŠ, Milan. Jazyk a komunikácia v novej koncepcii vyučovania slovenčiny. IN Komunikácia v odborných reflexiách : zborník príspevkov z 10. medzinárodnej vedeckej konferencie konanej 12.-13.09.2018 v Banskej Bystrici. Ed. Janka Klincková. - Banská Bystrica : Belianum, 2019, s. 607. ISBN 978-80-557-1573-5.
3. [5] UHLÍŘOVÁ, L. Ke koncepci Akademického slovníku současné češtiny - poznámky. In Naše řeč, 2019, roč. 102, č. 1-2, s. 170. ISSN 0027-8203.

ABA Štúdie charakteru vedeckej monografie v časopisoch a zborníkoch vydané v zahraničných vydavateľstvách

ABA01 KORBAŠ, Július. Distributions, vector distributions, and immersions of manifolds. In Handbook of Global Analysis. - Holandsko : Elsevier B.V., 2008, s. 665-724, 1214. ISBN 978-0-444-52833-9.

Citácie:
1. [1.2] SANKARAN, Parameswaran. The vector field problem for homogeneous spaces. In Trends in Mathematics. ISSN 22970215, 2019-01-01, pp. 223-264., Registrované v: SCOPUS

ABC Kapitoly vo vedeckých monografiách vydané v zahraničných vydavateľstvách

ABC01 BORSÍK, Ján. Maximal classes for some families of Darboux-like and quasicontinuous-like functions. Rec. O. Artemovych, C. Bagiński et al. In Monograph on the Occasion of 100th Birthday Anniversary of Zygmunt Zahorski. - Gliwice : Wydawnictwo Politechniki Śląskiej, 2015, s. 155-168. ISBN 978-83-7880-206-8.

Citácie:
1. [1.1] BUGAJEWSKA, Daria - REINWAND, Simon. Some Remarks on Multiplier Spaces I: Classical Spaces. In ZEITSCHRIFT FUR ANALYSIS UND IHRE ANWENDUNGEN. ISSN 0232-2064, 2019, vol. 38, no. 2, p. 125-142., Registrované v: WOS

ABC02 DVUREČENSKIJ, Anatolij - VETTERLEIN, Thomas. Generalized pseudo-effect algebras. In Lectures on Soft Computing and Fuzzy Logic. - Berlin : Springer-Verlag Co., 2001, s. 89-111.

Citácie:
1. [1.1] GUO, Yanan - XIE, Yongjian. Direct limits of generalized pseudo-effect algebras with the Riesz decomposition properties. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 4, pp. 1071-1078., Registrované v: WOS
2. [1.1] PULMANNOVA, S. Congruences and ideals in generalized pseudoeffect algebras revisited. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 735-745., Registrované v: WOS
3. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS

ABC03 RIEČAN, Beloslav - MUNDICI, D. Probability on MV-algebras. In Handbook of Measure Theory, Volume II. - Amsterdam : Elsevier Science, 2002, s. 869-909. ISBN 978-0-444-50263-6.

Citácie:
1. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. On MV-Algebraic Versions of the Strong Law of Large Numbers. In ENTROPY, 2019, vol. 21, no. 7., Registrované v: WOS
2. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. Strong Laws of Large Numbers for IVM-Events. In IEEE TRANSACTIONS ON FUZZY SYSTEMS. ISSN 1063-6706, 2019, vol. 27, no. 12, pp. 2293-2301., Registrované v: WOS
3. [1.2] KAREEM, Habeeb - ALADILEE, Ahmed - DAKHIL, Sarab. Multivariate copula and co-copula on BL-algebra. In Journal of Physics: Conference Series. ISSN 17426588, 2019-10-25, 1294, 3., Registrované v: SCOPUS
4. [2.2] BABICOVÁ, Dušana - FRIČ, Roman. Real Functions in Stochastic Dependence. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 17-34., Registrované v: SCOPUS
5. [2.2] FRIČ, Roman. Product of Measurable Spaces and Applications. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 47-56., Registrované v: SCOPUS

ABC04 RIEČAN, Beloslav. Analysis of fuzzy logic models. In Intelligent systems. - INTECH, 2012, s. 219-244. ISBN 978-953-51-0054-6.

Citácie:

1. [1.1] MARKECHOVA, Dagmar - EBRAHIMZADEH, Abolfazl. R-norm entropy and R-norm divergence in product MV-algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, pp. 6085-6095., Registrované v: WOS

ABC05 WIMMER, Gejza - ALTMANN, G. Unified derivation of some linguistics laws. In Quantitative Lnguistics, An International Handbook. - Berlin : Walter de Gruyter, 2005, s. 791-807. ISBN 978-3-11-015578-5.

Citácie:

1. [1.1] HOU, Renkui - HUANG, Chu-Ren - LIU, Hongchao. A study on Chinese register characteristics based on regression analysis and text clustering. In CORPUS LINGUISTICS AND LINGUISTIC THEORY. ISSN 1613-7027, 2019, vol. 15, no. 1, p. 1-37., Registrované v: WOS

2. [1.1] KELIH, Emmerich. Segmental and Suprasegmental Vowel Frequencies in Slovene: Statistical Modeling. In GLOTTOMETRICS. ISSN 1617-8351, 2019, vol. 45, no., p. 1-6., Registrované v: WOS

3. [1.1] MACUTEK, Jan - CHROMY, Jan - KOSCOVA, Michaela. Menzerath-Altmann Law and Prothetic /v/ in Spoken Czech. In JOURNAL OF QUANTITATIVE LINGUISTICS. ISSN 0929-6174, 2019, vol. 26, no. 1, p. 66-80., Registrované v: WOS

4. [1.1] RADOJICIC, Marija - LAZIC, Biljana - KAPLAR, Sebastijan - STANKOVIC, Ranka - OBRADOVIC, Ivan - MACUTEK, Jan - LESSOVA, Livia. Frequency and Length of Syllables in Serbian. In GLOTTOMETRICS. ISSN 1617-8351, 2019, vol. 45, no., p. 114-123., Registrované v: WOS

ABC06 WIMMER, Gejza - ALTMANN, G. Towards a unified derivation of some linguistic laws. In Contribution to the Science of Language. Word Length Studies and Related Issues. - Berlin : Springer, 2006, s. 329-337.

Citácie:

1. [1.1] HOU, Renkui - HUANG, Chu-Ren - LIU, Hongchao. A study on Chinese register characteristics based on regression analysis and text clustering. In CORPUS LINGUISTICS AND LINGUISTIC THEORY. ISSN 1613-7027, 2019, vol. 15, no. 1, p. 1-37., Registrované v: WOS

2. [1.1] MISTECKY, Michal - CECH, Radek - PLECHAC, Petr. In search of a euphony unit: A case study in Czech 1830s poetry. In SLOVO A SLOVESNOST. ISSN 0037-7031, 2019, vol. 80, no. 1, p. 27-38., Registrované v: WOS

3. [1.1] WEI, Aiyun - LU, Qian - LIU, Haitao. Word Length Distribution in Zhuang Language. In JOURNAL OF QUANTITATIVE LINGUISTICS. ISSN 0929-6174, 2019., Registrované v: WOS

4. [1.1] ZHOU, Pianpian. A Study on the Subjectival Position and the Syntactic Complexity in Spoken English. In GLOTTOMETRICS. ISSN 1617-8351, 2019, vol. 47, no., p. 83-103., Registrované v: WOS

5. [1.2] SANADA, Haruko. Quantitative aspects of the clause: Length, position and depth of the clause. In Journal of Quantitative Linguistics. ISSN 09296174, 2019-10-02, 26, 4, p. 306-329., Registrované v: SCOPUS

ADCA Vedecké práce v zahraničných karentovaných časopisoch – impaktovaných

ADCA01 AGAOGLOU, Makrina** - FEČKAN, Michal - POSPÍŠIL, Michal - ROTHOS, Vassilis M. - SUSANTO, H. Gain-loss-driven travelling waves in PT-symmetric nonlinear metamaterials. In Wave Motion, 2018, vol. 76, p. 9-18. (2017: 1.723 - IF, Q2 - JCR, 0.676 - SJR, Q2 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0165-2125. Dostupné na: https://doi.org/10.1016/j.wavemoti.2017.10.003

Citácie:

1. [1.1] BAGARELLO, F. - GARGANO, F. - ROCCATI, F. Tridiagonality, supersymmetry and non self-adjoint Hamiltonians. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 35, art. no. 355203., Registrované v: WOS

ADCA02 AWREJCEWICZ, Jan - FEČKAN, Michal - OLEJNIK, Pawel. Bifurcations of planar sliding homoclinics. In Mathematical Problems in Engineering, 2006, s. 1-13. ISSN 1024-123X. Dostupné na: https://doi.org/10.1155/MPE/2006/85349

Citácie:

1. [1.1] LI, Yurong - DU, Zhengdong. APPLYING BATTELLI-FECKAN´S METHOD TO TRANSVERSAL HETEROCLINIC BIFURCATION IN PIECEWISE SMOOTH SYSTEMS. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B. ISSN 1531-3492, 2019, vol. 24, no. 11, pp. 6025-6052., Registrované v: WOS

ADCA03 BALOGH, József - KOCHOL, Martin - PLUHÁR, András - YU, Xingxing. Covering planar graphs with forests. In Journal of Combinatorial Theory, Series B, 2005, vol. 94, p. 147-158. ISSN 0095-8956.

Citácie:

1. [1.1] KNAUER, Kolja - UECKERDT, Torsten. Decomposing 4-connected planar triangulations into two trees and one path. In JOURNAL OF COMBINATORIAL THEORY SERIES B. ISSN 0095-8956, 2019, vol. 134, p. 88-109., Registrované v: WOS

ADCA04 BATTELLI, F. - FEČKAN, Michal. On the chaotic behaviour of discontinuous systems. In Journal of Dynamics and Differential Equations, 2011, vol. 23, no. 3, p. 495-540. (2010: 1.375 - IF, Q1 - JCR, 1.576 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1040-7294. Dostupné na: https://doi.org/10.1007/s10884-010-9197-7

Citácie:

1. [1.1] FRANCA, M. - POSPISIL, M. New global bifurcation diagrams for piecewise smooth systems: Transversality of homoclinic points does not imply chaos. In JOURNAL OF DIFFERENTIAL EQUATIONS. ISSN 0022-0396, 2019, vol. 266, no. 2-3, pp. 1429-1461., Registrované v: WOS

2. [1.1] LI, Yurong - DU, Zhengdong. APPLYING BATTELLI-FECKAN´S METHOD TO TRANSVERSAL HETEROCLINIC BIFURCATION IN PIECEWISE SMOOTH SYSTEMS. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B. ISSN 1531-3492, 2019, vol. 24, no. 11, pp. 6025-6052., Registrované v: WOS

ADCA05 BATTELLI, F. - FEČKAN, Michal. Bifurcation and chaos near sliding homoclinics. In Journal of differential equations, 2010, vol. 248, no. 9, p. 2227-2262. (2009: 1.426 - IF, Q1 - JCR, 2.371 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0022-0396. Dostupné na: https://doi.org/10.1016/j.jde.2009.11.003

Citácie:
1. [1.1] LI, Yurong - DU, Zhengdong. APPLYING BATTELLI-FECKAN´S METHOD TO TRANSVERSAL HETEROCLINIC BIFURCATION IN PIECEWISE SMOOTH SYSTEMS. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B. ISSN 1531-3492, 2019, vol. 24, no. 11, pp. 6025-6052., Registrované v: WOS
2. [1.1] SONG, Haifeng - PENG, Linping - CUI, Yong. LIMIT CYCLES IN PIECEWISE SMOOTH PERTURBATIONS OF A QUARTIC ISOCHRONOUS CENTER. In ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS. ISSN 1072-6691, 2019., Registrované v: WOS
3. [1.2] LI, Shuangbao - ZHAO, Shuaibei. The analytical method of studying subharmonic periodic orbits for planar piecewise-smooth systems with two switching manifolds. In International Journal of Dynamics and Control. ISSN 2195268X, 2019-03-13, 7, 1, pp. 23-35., Registrované v: SCOPUS

ADCA06 BATTELLI, Flaviano - FEČKAN, Michal. Nonsmooth homoclinic orbits, Melnikov functions and chaos in discontinuous systems. In Physica D: Nonlinear Phenomena, 2012, vol. 241, no. 22, p. 1962-1975. (2011: 1.594 - IF, Q1 - JCR, 0.982 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents, CC). ISSN 0167-2789. Dostupné na: https://doi.org/10.1016/j.physd.2011.05.018

Citácie:
1. [1.1] FRANCA, M. - POSPISIL, M. New global bifurcation diagrams for piecewise smooth systems: Transversality of homoclinic points does not imply chaos. In JOURNAL OF DIFFERENTIAL EQUATIONS. ISSN 0022-0396, 2019, vol. 266, no. 2-3, pp. 1429-1461., Registrované v: WOS
2. [1.1] GUO, Xiuying - ZHANG, Gang - TIAN, Ruilan. Periodic Solution of a Non-Smooth Double Pendulum with Unilateral Rigid Constrain. In SYMMETRY-BASEL, 2019, vol. 11, no. 7., Registrované v: WOS
3. [1.1] LI, Yurong - DU, Zhengdong. APPLYING BATTELLI-FECKAN´S METHOD TO TRANSVERSAL HETEROCLINIC BIFURCATION IN PIECEWISE SMOOTH SYSTEMS. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B. ISSN 1531-3492, 2019, vol. 24, no. 11, pp. 6025-6052., Registrované v: WOS
4. [1.1] LIU, Di - XU, Yong. Random Disordered Periodical Input Induced Chaos in Discontinuous Systems. In INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS. ISSN 0218-1274, 2019, vol. 29, no. 1., Registrované v: WOS
5. [1.2] LI, Shuangbao - ZHAO, Shuaibei. The analytical method of studying subharmonic periodic orbits for planar piecewise-smooth systems with two switching manifolds. In International Journal of Dynamics and Control. ISSN 2195268X, 2019-03-13, 7, 1, pp. 23-35., Registrované v: SCOPUS

ADCA07 BATTELLI, Flaviano - FEČKAN, Michal. Homoclinic trajectories in discontinuous systems. In Journal of Dynamics and Differential Equations, 2008, vol. 20, no. 2, p. 337-376. (2007: 0.639 - SJR, Q3 - SJR). ISSN 1040-7294. Dostupné na: https://doi.org/10.1007/s10884-007-9087-9

Citácie:
1. [1.1] BUROV, Alexander A. - NIKONOV, Vasily. On the nonlinear Meissner equation. In INTERNATIONAL JOURNAL OF NON-LINEAR MECHANICS. ISSN 0020-7462, 2019, vol. 110, no., pp. 26-32., Registrované v: WOS
2. [1.1] FRANCA, M. - POSPISIL, M. New global bifurcation diagrams for piecewise smooth systems: Transversality of homoclinic points does not imply chaos. In JOURNAL OF DIFFERENTIAL EQUATIONS. ISSN 0022-0396, 2019, vol. 266, no. 2-3, pp. 1429-1461., Registrované v: WOS

3. [1.1] LI, Yurong - DU, Zhengdong. APPLYING BATTELLI-FECKAN´S METHOD TO TRANSVERSAL HETEROCLINIC BIFURCATION IN PIECEWISE SMOOTH SYSTEMS. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B. ISSN 1531-3492, 2019, vol. 24, no. 11, pp. 6025-6052., Registrované v: WOS

4. [1.2] LI, Shuangbao - ZHAO, Shuaibei. The analytical method of studying subharmonic periodic orbits for planar piecewise-smooth systems with two switching manifolds. In International Journal of Dynamics and Control. ISSN 2195268X, 2019-03-13, 7, 1, pp. 23-35., Registrované v: SCOPUS

ADCA08 BEČKA, Martin - OKŠA, Gabriel - VAJTERŠIC, Marián - GRIGORI, L. On iterative QR pre-processing in the parallel block-Jacobi SVD algorithm. In Parallel Computing, 2010, vol. 36, s. 297-397. (2009: 1.125 - IF, Q2 - JCR, 0.512 - SJR, Q2 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0167-8191. Dostupné na: https://doi.org/10.1016/j.parco.2009.12.013

Citácie:

1. [1.1] WANG, X. Q. - SARHADDI, D. - WANG, Z. - MIGNOLET, M. P. - CHEN, P. C. Modeling-Based Hyper-Reduction of Multidimensional Computational Fluid Dynamics Data: Application to Ship Airwake Data. In JOURNAL OF AIRCRAFT, 2019, vol. 56, no. 6, pp. 2248-2259., Registrované v: WOS

2. [1.1] YANG, Yinfei - LI, Xiaoyue - LI, Liang - HE, Ning - ZHAO, Guolong - CHEN, Ni - LAN, Hui - ZHOU, Zaowen. Investigation on deformation of single-sided stringer parts based on fluctuant initial residual stress. In JOURNAL OF MATERIALS PROCESSING TECHNOLOGY. ISSN 0924-0136, 2019, vol. 271, no., pp. 623-633., Registrované v: WOS

3. [1.2] WANG, X. Q. - SARHADDI, D. - WANG, Z. - MIGNOLET, M. P. - CHEN, P. C. Modeling-based hyper reduction of multidimensional cfd data: Application to ship airwake data. In AIAA Scitech 2019 Forum, 2019-01-01, pp., Registrované v: SCOPUS

ADCA09 BELTRAMETTI, E. - BUGAJSKI, S. - GUDDER, S.P. - PULMANNOVÁ, Sylvia. Convex and linear effect algebras. In Reports on Mathematical Physics, 1999, vol. 44, no. 3, p. 359-379. ISSN 0034-4877.

Citácie:

1. [1.1] JENCOVA, Anna - PLAVALA, Martin. On the properties of spectral effect algebras. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS

ADCA10 BORZOOEI, R.A. - DVUREČENSKIJ, Anatolij - ZAHIRI, O. L-ordered and L-lattice ordered groups. In Information Sciences, 2015, vol. 314, s. 118-134. (2014: 4.038 - IF, Q1 - JCR, 2.226 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2015.03.072

Citácie:

1. [1.1] LIU, Hongping - WANG, Shuang - FAN, WenPing. Convexity on fuzzy partially ordered sets. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 36, no. 4, pp. 3607-3617., Registrované v: WOS

2. [1.2] BAI, Yun - SHU, Lan - YAO, Bang Sheng. A Study of Intuitionistic Fuzzy Rough Sets. In Advances in Intelligent Systems and Computing. ISSN 21945357, 2019-01-01, 872, pp. 245-253., Registrované v: SCOPUS

ADCA11 BORZOOEI, R.A. - DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. State BCK-algebras and state-morphism BCK-algebras. In Fuzzy Sets and Systems, 2014, vol. 244, p. 86-105. (2013: 1.880 - IF, Q1 - JCR, 1.439 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2013.12.007

Citácie:

1. [1.1] CIUNGU, Lavinia Corina. Commutative deductive systems in probability theory on generalizations of fuzzy structures. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 363, p. 113-137., Registrované v: WOS

2. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS

3. [1.1] XIN, X. L. - KHAN, M. - JUN, Y. B. Generalized states on EQ-algebras. In IRANIAN JOURNAL OF FUZZY SYSTEMS. ISSN 1735-0654, 2019, vol. 16, no. 1, pp. 159-172., Registrované v: WOS

4. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS

5. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADCA12 BOTUR, M. - DVUREČENSKIJ, Anatolij. On pseudo-BL-algebras and pseudo-hoops with normal maximal filters. In Soft Computing, 2016, vol. 20, no.2, p. 439-448. (2015: 1.630 - IF, Q2 - JCR, 0.759 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-015-1793-3

Citácie:

1. [1.1] WANG, Wei - YANG, Pengxi - XU, Yang. Further Complete Solutions to Four Open Problems on Filter of Logical Algebras. In INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS. ISSN 1875-6891, 2019, vol. 12, no. 1, pp. 359-366., Registrované v: WOS

ADCA13 BOTUR, Michal** - HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. On generating of idempotent aggregation functions on finite lattices. In Information Sciences, 2018, vol. 430-431, p. 39-45. (2017: 4.305 - IF, Q1 - JCR, 1.635 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2017.11.031

Citácie:

1. [1.1] KHAMENEH, Azadeh Zahedi - KILICMAN, Adem. A fuzzy majority-based construction method for composed aggregation functions by using combination operator. In INFORMATION SCIENCES. ISSN 0020-0255, 2019, vol. 505, p. 367-387., Registrované v: WOS

2. [1.1] KURAC, Zbynek. Transfer-stable means on finite chains. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 372, p. 111-123., Registrované v: WOS

ADCA14 BOTUR, Michal - DVUREČENSKIJ, Anatolij. State-morphism algebras - General approach. In Fuzzy Sets and Systems, 2013, vol. 218, p. 90-102. (2012: 1.749 - IF, Q1 - JCR, 1.472 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2012.08.013

Citácie:
1. [1.1] FOROUZESH, F. - DARIJANI, A. SOME CLASSES OF STATE IDEALS IN STATE MV-ALGEBRAS. In EURASIAN MATHEMATICAL JOURNAL. ISSN 2077-9879, 2019, vol. 10, no. 2, pp. 37-48., Registrované v: WOS
2. [1.1] RASOULI, Saeed - ZARIN, Zeinab. On residuated lattices with left and right internal state. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 37-61., Registrované v: WOS
3. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS
4. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADCA15 BRZOZOWSKI, J. A. - JIRÁSKOVÁ, Galina - ZOU, Ch. Quotient Complexity of Closed Languages. In Theory of Computing Systems, 2014, vol. 54, no. 2, p. 277-292. (2013: 0.452 - IF, Q3 - JCR, 0.730 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 1432-4350. Dostupné na: https://doi.org/10.1007/s00224-013-9515-7

Citácie:
1. [1.1] JIRASEK, Jr. Jozef - PALMOVSKY, Matus - SEBEJ, Juraj. Kuratowski Algebras Generated by Prefix-, Suffix-, Factor-, and Subword-Free Languages Under Star and Complementation. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 1091-1115., Registrované v: WOS
2. [1.1] NG, Timothy - RAPPAPORT, David - SALOMAA, Kai. State Complexity of Suffix Distance. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 1197-1216., Registrované v: WOS
3. [1.2] HOSPODÁR, Michal. Descriptional Complexity of Power and Positive Closure on Convex Languages. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11601 LNCS, p. 158-170., Registrované v: SCOPUS

ADCA16 BRZOZOWSKI, Janusz - JIRÁSKOVÁ, Galina - LI, Baiyu. Quotient complexity of ideal languages. In Theoretical Computer Science, 2013, vol. 470, p. 36-52. (2012: 0.489 - IF, Q4 - JCR, 0.780 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0304-3975. Dostupné na: https://doi.org/10.1016/j.tcs.2012.10.055

Citácie:
1. [1.2] HOSPODÁR, Michal. Descriptional Complexity of Power and Positive Closure on Convex Languages. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11601 LNCS, p. 158-170., Registrované v: SCOPUS

ADCA17 BUTKA, P. - PÓCS, Jozef - PÓCSOVÁ, J. On equivalence of conceptual scaling and generalized one-sided concept lattices. In Information Sciences, 2014, vol. 259, p. 57-70. (2013: 3.893 - IF, Q1 - JCR, 2.332 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2013.08.047

Citácie:
1. [1.1] SINGH, Prem Kumar. Vague concept lattice reduction using granular computing and vague entropy. In MATHEMATICS AND COMPUTERS IN SIMULATION. ISSN 0378-4754, 2019, vol. 165, p. 56-73., Registrované v: WOS

ADCA18 CALVO, T. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea - VALÁŠKOVÁ, L. Construction of aggregation operators - new composition method. In Kybernetika, 2003, vol. 39, no. 5, p. 643-650. ISSN 0023-5954.

Citácie:
1. [1.1] GUHA, Debashree - BANERJEE, Debasmita. On Some Inner Dependence Relationships in Hierarchical Structure Under Hesitant Fuzzy Environment. In NEW TRENDS IN AGGREGATION THEORY. ISSN 2194-5357, 2019, vol. 981, p. 95-105., Registrované v: WOS

ADCA19 CARBONE, Raffaella - JENČOVÁ, Anna. On period, cycles and fixed points of a quantum channel. In Annales Henri Poincare, 2020, vol. 21, p. 155-188. (2019: 1.489 - IF, Q2 - JCR, 1.214 - SJR, Q1 - SJR, karentované - CCC). (2020 - Current Contents). ISSN 1424-0637. Dostupné na: https://doi.org/10.1007/s00023-019-00861-9

Citácie:
1. [1.2] ALBERT, Victor V. Asymptotics of quantum channels: conserved quantities, an adiabatic limit, and matrix product states. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS

ADCA20 CASERTA, A. - DI MAIO, G. - HOLÁ, Ľubica. Arzela´s theorem and strong uniform convergence on bornologies. In Journal of Mathematical Analysis and Applications, 2010, vol. 371, p. 384-392. (2009: 1.225 - IF, Q1 - JCR, 1.394 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0022-247X. Dostupné na: https://doi.org/10.1016/j.jmaa.2010.05.042

Citácie:
1. [1.1] KOCINAC, Ljubisa D. R. A Note on Some Kinds of Convergence. In INTERNATIONAL CONFERENCE OF MATHEMATICAL SCIENCES (ICMS 2018). ISSN 0094-243X, 2019, vol. 2086, art. no. 020003., Registrované v: WOS

ADCA21 CIUNGU, L. - RIEČAN, Beloslav. Representation theorem for probabilities on IFS-events. In Information Sciences, 2010, vol. 180, no. 5, p. 793-798. (2009: 3.291 - IF, 1.543 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2009.11.003

Citácie:
1. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. On MV-Algebraic Versions of the Strong Law of Large Numbers. In ENTROPY, 2019, vol. 21, no. 7., Registrované v: WOS
2. [1.1] YE, Jianmei - XU, Zeshui - GOU, Xunjie. A New Perspective of Bayes Formula Based on D-S Theory in Interval Intuitionistic Fuzzy Environment and Its Applications. In INTERNATIONAL JOURNAL OF FUZZY SYSTEMS. ISSN 1562-2479, 2019, vol. 21, no. 4, p. 1196-1213., Registrované v: WOS

ADCA22 CIUNGU, L.C. - DVUREČENSKIJ, Anatolij - HYČKO, Marek. State BL-algebras. In Soft Computing, 2011, vol. 15, no. 4, p. 619-634. (2010: 1.512 - IF, Q2 - JCR, 0.694 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-010-0571-5

Citácie:
1. [1.1] FOROUZESH, F. - DARIJANI, A. SOME CLASSES OF STATE IDEALS IN STATE MV-ALGEBRAS. In EURASIAN MATHEMATICAL JOURNAL. ISSN 2077-9879, 2019, vol. 10, no. 2, pp. 37-48., Registrované v: WOS

2. [1.1] RASOULI, Saeed - ZARIN, Zeinab. On residuated lattices with left and right internal state. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 37-61., Registrované v: WOS
3. [1.1] XIN, X. L. - KHAN, M. - JUN, Y. B. Generalized states on EQ-algebras. In IRANIAN JOURNAL OF FUZZY SYSTEMS. ISSN 1735-0654, 2019, vol. 16, no. 1, pp. 159-172., Registrované v: WOS
4. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS
5. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADCA23 CIUNGU, L.C. - DVUREČENSKIJ, Anatolij. Measures, states and de Finetti maps on pseudo-BCK algebras. In Fuzzy Sets and Systems, 2010, vol. 161, p. 2870-2896. (2009: 2.138 - IF, Q1 - JCR, 1.232 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2010.03.017

Citácie:
1. [1.1] XIN, X. L. - KHAN, M. - JUN, Y. B. Generalized states on EQ-algebras. In IRANIAN JOURNAL OF FUZZY SYSTEMS. ISSN 1735-0654, 2019, vol. 16, no. 1, pp. 159-172., Registrované v: WOS

ADCA24 CLOTE, P. - DOBREV, Stefan - DOTU, I. - KRANAKIS, E. - KRIZANC, D. - URRUTIA, J. On the page number of RNA secondary structures with pseudoknots. In Journal of Mathematical Biology, 2012, vol. 65, no. 6-7, p. 1337-1357. (2011: 2.963 - IF, Q1 - JCR, 1.240 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0303-6812. Dostupné na: https://doi.org/10.1007/s00285-011-0493-6

Citácie:
1. [1.1] PERVOUCHINE, Dmitri D. Circular exonic RNAs: When RNA structure meets topology. In BIOCHIMICA ET BIOPHYSICA ACTA-GENE REGULATORY MECHANISMS. ISSN 1874-9399, 2019, vol. 1862, no. 11-12., Registrované v: WOS

ADCA25 CONDER, M. - NEDELA, Roman. A refined classification of symmetric cubic graphs. In Journal of Algebra, 2009, vol. 322, s. 722-740. (2008: 0.630 - IF, Q2 - JCR, 1.355 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 0021-8693.

Citácie:
1. [1.1] KUTNAR, Klavdija - MARUSIC, Dragan. Odd extensions of transitive groups via symmetric graphs The cubic case. In JOURNAL OF COMBINATORIAL THEORY SERIES B. ISSN 0095-8956, 2019, vol. 136, p. 170-192., Registrované v: WOS
2. [1.1] MA, Jicheng. On Quotientable Arc-transitive Graphs. In UTILITAS MATHEMATICA. ISSN 0315-3681, 2019, vol. 111, p. 127-138., Registrované v: WOS
3. [1.1] SHAHSAVARAN, Mohsen - DARAFSHEH, Mohammad Reza. Classifying semisymmetric cubic graphs of order 20p. In TURKISH JOURNAL OF MATHEMATICS. ISSN 1300-0098, 2019, vol. 43, no. 6, p. 2755-2766., Registrované v: WOS

ADCA26 CONDER, Marston - NEDELA, Roman. Symmetric cubic graphs of small girth. In Journal of Combinatorial Theory, Series B, 2007, vol. 97, no. 5, p. 757-768. (2006: 0.792 - IF, Q1 - JCR, 2.068 - SJR, Q1 - SJR). ISSN 0095-8956.

Citácie:

1. [1.1] EIBEN, Eduard - JAJCAY, Robert - SPARL, Primoz. Symmetry properties of generalized graph truncations. In JOURNAL OF COMBINATORIAL THEORY SERIES B. ISSN 0095-8956, 2019, vol. 137, p. 291-315., Registrované v: WOS

2. [1.1] KUTNAR, Klavdija - MARUSIC, Dragan. Odd extensions of transitive groups via symmetric graphs The cubic case. In JOURNAL OF COMBINATORIAL THEORY SERIES B. ISSN 0095-8956, 2019, vol. 136, p. 170-192., Registrované v: WOS

ADCA27 CZABARKA, E. - SÝKORA, O. - SZÉKELY, L.A. - VRŤO, Imrich. Biplanar crossing numbers. II. Comparing crossing numbers and biplanar crossing numbers using the probabilistic method. In Random Structures and Algorithms, 2008, vol. 33, p. 480-496. ISSN 1042-9832.

Citácie:

1. [1.1] ASPLUND, John - DO, Thao - HAMM, Arran - JAIN, Vishesh. On the k-planar local crossing number. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 4, p. 927-933., Registrované v: WOS

ADCA28 CZYZOWICZ, J. - DOBREV, Stefan - GASIENIEC, L. - ILCINKAS, D. - JANSSON, J. - KLASING, R. - LIGNOS, I. - MARTIN, R. - SADAKANE, K. - SUNG, W. More efficient periodic traversal in anonymous undirected graphs. In Theoretical Computer Science, 2012, vol. 444, s. 60-76. (2011: 0.665 - IF, Q3 - JCR, 0.747 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0304-3975. Dostupné na: https://doi.org/10.1016/j.tcs.2012.01.035

Citácie:

1. [1.2] DAS, Shantanu. Graph explorations with mobile agents. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11340 LNCS, pp. 403-422., Registrované v: SCOPUS

2. [1.2] MARKOU, Euripides - SHI, Wei. Dangerous graphs. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11340 LNCS, pp. 455-515., Registrované v: SCOPUS

ADCA29 CZYZOWICZ, Jurek - DOBREV, Stefan - GEORGIOU, Konstantinos** - KRANAKIS, E. - MACQUARRIE, Fraser. Evacuating two robots from multiple unknown exits in a circle. In Theoretical Computer Science, 2018, vol. 709, p. 20-30. (2017: 0.772 - IF, Q3 - JCR, 0.488 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0304-3975. Dostupné na: https://doi.org/10.1016/j.tcs.2016.11.019

Citácie:

1. [1.1] BAGHERI, Iman - NARAYANAN, Lata - OPATRNY, Jaroslav. Evacuation of Equilateral Triangles by Mobile Agents of Limited Communication Range. In ALGORITHMS FOR SENSOR SYSTEMS, ALGOSENSORS 2019. ISSN 0302-9743, 2019, vol. 11931, p. 3-22., Registrované v: WOS

ADCA30 DANCA, Marius-F. - FEČKAN, Michal - CHEN, Guanrong. Impulsive stabilization of chaos in fractional-order systems. In Nonlinear Dynamics, 2017, vol. 89, no. 3, p. 1889-1903. (2016: 3.464 - IF, Q1 - JCR, 1.167 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0924-090X. Dostupné na: https://doi.org/10.1007/s11071-017-3559-1

Citácie:

1. [1.1] SINGH, Anuraj - ELSADANY, Abdelalim A. - ELSONBATY, Amr. Complex dynamics of a discrete fractional-order Leslie-Gower predator-prey model. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 11, pp. 3992-4007., Registrované v: WOS

2. [1.2] GUAN, Zhi Hong - HU, Bin - SHEN, Xuemin. Introduction to hybrid intelligent networks: Modeling, communication, and control. In Introduction to Hybrid Intelligent Networks: Modeling, Communication, and Control, 2019-02-01, pp. 1-292., Registrované v: SCOPUS

ADCA31 DANCA, Marius-F.** - FEČKAN, Michal - KUZNETSOV, Nikolay V. - CHEN, Guanrong. Complex dynamics, hidden attractors and continuous approximation of a fractional-order hyperchaotic PWC system. In Nonlinear Dynamics, 2018, vol. 91, no. 4, p. 2523-2540. (2017: 4.339 - IF, Q1 - JCR, 1.468 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0924-090X. Dostupné na: https://doi.org/10.1007/s11071-017-4029-5

Citácie:

1. [1.1] HE, Shaobo - FATAF, N. A. A. - BANERJEE, Santo - SUN, Kehui. Complexity in the muscular blood vessel model with variable fractional derivative and external disturbances. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2019, vol. 526., Registrované v: WOS

2. [1.1] JIANG, Cuimei - ZADA, Akbar - SENEL, M. Tamer - LI, Tongxing. Synchronization of bidirectional N-coupled fractional-order chaotic systems with ring connection based on antisymmetric structure. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, vol. 2019, no. 1., Registrované v: WOS

3. [1.1] SINGH, Anuraj - ELSADANY, Abdelalim A. - ELSONBATY, Amr. Complex dynamics of a discrete fractional-order Leslie-Gower predator-prey model. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 11, pp. 3992-4007., Registrované v: WOS

4. [1.1] ZHANG, Zhe - ZHANG, Jing - CHENG, Fanyong - LIU, Feng. A Novel Stability Criterion of Time-varying delay Fractional-order Financial Systems Based a New Functional Transformation Lemma. In INTERNATIONAL JOURNAL OF CONTROL AUTOMATION AND SYSTEMS. ISSN 1598-6446, 2019, vol. 17, no. 4, pp. 916-925., Registrované v: WOS

5. [1.1] ZHENG, Guangchao - LIU, Ling - LIU, Chongxin. Hidden Coexisting Attractors in a Fractional-Order System without Equilibrium: Analysis, Circuit Implementation, and Finite-Time Synchronization. In MATHEMATICAL PROBLEMS IN ENGINEERING. ISSN 1024-123X, 2019, vol. 2019., Registrované v: WOS

6. [1.2] DING, Changshun - CAO, Junyi - CHEN, Yang Quan. Fractional-order model and experimental verification for broadband hysteresis in piezoelectric actuators. In Nonlinear Dynamics. ISSN 0924090X, 2019-12-01, 98, 4, pp. 3143-3153., Registrované v: SCOPUS

ADCA32 DANCA, Marius-F.** - FEČKAN, Michal - KUZNETSOV, Nikolay V. - CHEN, Guanrong. Fractional-order PWC systems without zero Lyapunov exponents. In Nonlinear Dynamics, 2018, vol. 92, no. 3, p. 1061-1078. (2017: 4.339 - IF, Q1 - JCR, 1.468 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0924-090X. Dostupné na: https://doi.org/10.1007/s11071-018-4108-2

Citácie:

1. [1.1] HE, Shaobo - BANERJEE, Santo - SUN, Kehui. Complex dynamics and multiple coexisting attractors in a fractional-order microscopic chemical system. In EUROPEAN PHYSICAL JOURNAL-SPECIAL TOPICS. ISSN 1951-6355, 2019, vol. 228, no. 1, pp. 195-207., Registrované v: WOS

2. [1.1] ZHENG, Guangchao - LIU, Ling - LIU, Chongxin. Hidden Coexisting Attractors in a Fractional-Order System without Equilibrium: Analysis, Circuit Implementation, and Finite-Time Synchronization. In MATHEMATICAL PROBLEMS IN ENGINEERING. ISSN 1024-123X, 2019, vol. 2019., Registrované v: WOS

ADCA33 DANCA, Marius-F.** - FEČKAN, Michal. Hidden chaotic attractors and chaos suppression in an impulsive discrete economical supply and demand dynamical system. In Communications in nonlinear science and numerical simulation, 2019, vol. 74, p. 1-13. (2018: 3.967 - IF, Q1 - JCR, 1.326 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1007-5704. Dostupné na: https://doi.org/10.1016/j.cnsns.2019.03.008

Citácie:

1. [1.2] FARHAN, Alaa Kadhim - AL-SAIDI, Nadia M.G. - MAOLOOD, Abeer Tariq - NAZARIMEHR, Fahimeh - HUSSAIN, Iqtadar. Entropy analysis and image encryption application based on a new chaotic system crossing a cylinder. In Entropy, 2019-10-01, 21, 10., Registrované v: SCOPUS

ADCA34 DANCA, Marius-F. - FEČKAN, Michal - ROMERA, Miguel. Generalized form of Parrondo's paradoxical game with applications to chaos control. In International Journal of Bifurcation and Chaos, 2014, vol. 24, no. 1, art. no. 1450008. (2013: 1.017 - IF, Q2 - JCR, 0.678 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0218-1274. Dostupné na: https://doi.org/10.1142/S0218127414500084

Citácie:

1. [1.1] CHEONG, Kang Hao - KOH, Jin Ming - JONES, Michael C. Paradoxical Survival: Examining the Parrondo Effect across Biology. In BIOESSAYS. ISSN 0265-9247, 2019, vol. 41, no. 6., Registrované v: WOS

2. [1.1] CHEONG, Kang Hao - KOH, Jin Ming - YEO, Darren J. - TAN, Zong Xuan - BOO, Brenda Oon Eng - LEE, Guan Ying. Paradoxical Simulations to Enhance Education in Mathematics. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, no., pp. 17941-17950., Registrované v: WOS

3. [1.1] KOH, Jin Ming - CHEONG, Kang Hao. Emergent preeminence of selfishness: an anomalous Parrondo perspective. In NONLINEAR DYNAMICS. ISSN 0924-090X, 2019, vol. 98, no. 2, pp. 943-951., Registrované v: WOS

4. [1.1] KOH, Jin Ming - CHEONG, Kang Hao. New doubly-anomalous Parrondo';s games suggest emergent sustainability and inequality. In NONLINEAR DYNAMICS. ISSN 0924-090X, 2019, vol. 96, no. 1, pp. 257-266., Registrované v: WOS

ADCA35 DANCA, Marius-F. - FEČKAN, Michal - KUZNETSOV, Nikolay V. - CHEN, Guanrong. Looking more closely at the Rabinovich-Fabrikant system. In International Journal of Bifurcation and Chaos, 2016, vol. 26, no. 2, art. no. 1650038 p. [1-21]. (2015: 1.355 - IF, Q2 - JCR, 0.752 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0218-1274. Dostupné na: https://doi.org/10.1142/S0218127416500383

Citácie:

1. [1.1] GUPTA, M. K. - YADAV, C. K. Rabinovich-Fabrikant system in view point of KCC theory in Finsler geometry. In JOURNAL OF INTERDISCIPLINARY MATHEMATICS. ISSN 0972-0502, 2019, vol. 22, no. 3, pp. 219-241., Registrované v: WOS

2. [1.1] HE, Jian-Jun - LAI, Bang-Cheng. A novel 4D chaotic system with multistability: Dynamical analysis, circuit implementation, control design. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2019, vol. 33, no. 21., Registrované v: WOS

3. [1.1] KUMAR, Sanjay - SINGH, Chaman - PRASAD, Sada Nand - SHEKHAR, Chandra - AGGARWAL, Rajiv. Synchronization of fractional order Rabinovich-Fabrikant systems using sliding mode control techniques. In ARCHIVES OF CONTROL SCIENCES. ISSN 2300-2611, 2019, vol. 29, no. 2, pp. 307-322., Registrované v: WOS

4. [1.1] ZHOU, Chengqun - YANG, Chunhua - XU, Degang - CHEN, Chaoyang. Coexisting attractors, circuit realization and impulsive synchronization of a new four-dimensional chaotic system. In MODERN PHYSICS LETTERS B. ISSN 0217-9849, 2019, vol. 33, no. 3., Registrované v: WOS

ADCA36 DANČÍK, Vladimír - CARREL, H. - BODYCOMBE, N.E. - SEILER, K.P. - FOMINA-YADLIN, D. - KUBICEK, S.T. - HARTWELL, K. - SHAMJI, A.F. - WAGNER, B. K. - CLEMONS, P.A. Connecting Small Molecules with Similar Assay Performance Profiles Leads to New Biological Hypotheses. In Journal of Biomolecular Screening, 2014, vol. 19, no. 5, p. 771-781. (2013: 2.012 - IF, Q2 - JCR, 0.966 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 1087-0571. Dostupné na: https://doi.org/10.1177/1087057113520226

Citácie:

1. [1.1] STURM, Noe - SUN, Jiangming - VANDRIESSCHE, Yves - MAYR, Andreas - KLAMBAUER, Guenter - CARLSSON, Lars - ENGKVIST, Ola - CHEN, Hongming. Application of Bioactivity Profile-Based Fingerprints for Building Machine Learning Models. In JOURNAL OF CHEMICAL INFORMATION AND MODELING. ISSN 1549-9596, 2019, vol. 59, no. 3, p. 962-972., Registrované v: WOS

ADCA37 DIBLIK, J. - FEČKAN, Michal - POSPÍŠIL, Michal. Nonexistence of periodic solutions and S-asymptotically periodic solutions in fractional difference equations. In Applied Mathematics and Computation, 2015, vol. 257, p. 230-240. (2014: 1.551 - IF, Q1 - JCR, 0.961 - SJR, Q2 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0096-3003. Dostupné na: https://doi.org/10.1016/j.amc.2014.11.108

Citácie:

1. [1.1] TASDEMIR, Erkan. ON THE ASYMPTOTICALLY PERIODIC SOLUTIONS OF A FIFTH ORDER DIFFERENCE EQUATION. In JOURNAL OF MATHEMATICAL ANALYSIS. ISSN 2217-3412, 2019, vol. 10, no. 3, pp. 100-111., Registrované v: WOS

2. [2.1] REN, Lulu - WANG, Jinrong - O';REGAN, Donal. ASYMPTOTICALLY PERIODIC BEHAVIOR OF SOLUTIONS OF FRACTIONAL EVOLUTION EQUATIONS OF ORDER 1 < alpha < 2. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 3, pp. 599-610., Registrované v: WOS
3. [3.1] E. Tasdemir. On the dynamics of a nonlinear difference equation. In Adiyaman University Journal of Science, vol. 9, no. 1, p. 190-201.

ADCA38 DIBLIK, J. - FEČKAN, Michal - POSPÍŠIL, Michal. On the new control functions for linear discrete delay systems. In SIAM Journal on Control and Optimization, 2014, vol. 52, no. 3, p. 1745-1760. (2013: 1.389 - IF, Q1 - JCR, 1.866 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0363-0129. Dostupné na: https://doi.org/10.1137/140953654

Citácie:
1. [1.1] LI, Mengmeng - WANG, JinRong. Finite time stability and relative controllability of Riemann-Liouville fractional delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 18, pp. 6607-6623., Registrované v: WOS
2. [1.1] WANG, Chenhui. Adaptive dynamic surface control of parametric uncertain and disturbed strict-feedback nonlinear systems. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, vol. 29, 14 pages., Registrované v: WOS
3. [1.1] YOU, Zhongli - WANG, JinRong - O';REGAN, D. Exponential Stability and Relative Controllability of Nonsingular Delay Systems. In BULLETIN OF THE BRAZILIAN MATHEMATICAL SOCIETY. ISSN 1678-7544, 2019, vol. 50, no. 2, pp. 457-479., Registrované v: WOS
4. [1.1] YOU, Zhongli - WANG, JinRong - O';REGAN, Donal - ZHOU, Yong. Relative controllability of delay differential systems with impulses and linear parts defined by permutable matrices. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 3, pp. 954-968., Registrované v: WOS

ADCA39 DIKS, K. - DJIDJEV, H.N. - SÝKORA, O. - VRŤO, Imrich. Edge separators of planar and outerplanar graphs with applications. In Journal of Algorithms, 1993, vol. 14, no. 2, p. 258-279. ISSN 0196-6774.

Citácie:
1. [1.1] DUNKUM, Molly - LANPHIER, Dominic. Edge integrity of nearest neighbor graphs and separator theorems. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 9, p. 2664-2679., Registrované v: WOS

ADCA40 DI NOLA, Antonio - DVUREČENSKIJ, Anatolij - LETTIERI, Ada. On varieties of MV-algebras with internal states. In International Journal of Approximate Reasoning, 2010, vol. 51, p. 680-694. (2009: 2.090 - IF, Q2 - JCR, 1.140 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0888-613X. Dostupné na: https://doi.org/10.1016/j.ijar.2010.01.017

Citácie:
1. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS
2. [1.1] FOROUZESH, F. - DARIJANI, A. SOME CLASSES OF STATE IDEALS IN STATE MV-ALGEBRAS. In EURASIAN MATHEMATICAL JOURNAL. ISSN 2077-9879, 2019, vol. 10, no. 2, pp. 37-48., Registrované v: WOS
3. [1.1] RASOULI, Saeed - ZARIN, Zeinab. On residuated lattices with left and right internal state. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 37-61., Registrované v: WOS

4. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS
5. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADCA41 DI NOLA, Antonio - DVUREČENSKIJ, Anatolij. State-morphism MV-algebras. In Annals of Pure and Applied Logic, 2009, vol. 161, p. 161-173. (2008: 0.551 - IF, Q3 - JCR, 0.737 - SJR, Q2 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 0168-0072.

Citácie:
1. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS
2. [1.1] FOROUZESH, F. - DARIJANI, A. SOME CLASSES OF STATE IDEALS IN STATE MV-ALGEBRAS. In EURASIAN MATHEMATICAL JOURNAL. ISSN 2077-9879, 2019, vol. 10, no. 2, pp. 37-48., Registrované v: WOS
3. [1.1] RASOULI, Saeed - ZARIN, Zeinab. On residuated lattices with left and right internal state. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 37-61., Registrované v: WOS

ADCA42 DI NOLA, Antonio - DVUREČENSKIJ, Anatolij - HYČKO, Marek - MANARA, Corrado. Entropy on effect algebras with the Riesz decomposition property I: Basic properties. In Kybernetika, 2005, roč. 41, č. 2, s. 143-160. (2004: 0.224 - IF, karentované - CCC). (2005 - Current Contents). ISSN 0023-5954.

Citácie:
1. [1.1] KHARE, Mona - PANDEY, Pratibha. TRANSITIVITY AND EQUICONTINUITY IN QUANTUM MEASURE SPACES. In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2019, vol. 84, no. 2, pp. 253-268., Registrované v: WOS
2. [2.1] BARBIERI, Giuseppina - LENZI, Giacomo. ENTROPY OF MV-ALGEBRAIC DYNAMICAL SYSTEMS: AN EXAMPLE. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 2, pp. 267-274., Registrované v: WOS

ADCA43 DI NOLA, Antonio - DVUREČENSKIJ, Anatolij - HYČKO, Marek - MANARA, Corrado. Entropy on effect algebras with the Riesz decomposition property II: MV-algebras. In Kybernetika, 2005, roč. 41, č. 2, s. 161-176. (2004: 0.224 - IF, karentované - CCC). (2005 - Current Contents). ISSN 0023-5954.

Citácie:
1. [1.1] KHARE, Mona - PANDEY, Pratibha. TRANSITIVITY AND EQUICONTINUITY IN QUANTUM MEASURE SPACES. In REPORTS ON MATHEMATICAL PHYSICS. ISSN 0034-4877, 2019, vol. 84, no. 2, pp. 253-268., Registrované v: WOS
2. [1.1] MARKECHOVA, Dagmar - EBRAHIMZADEH, Abolfazl. R-norm entropy and R-norm divergence in product MV-algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, pp. 6085-6095., Registrované v: WOS
3. [1.1] MARKECHOVA, Dagmar - RIECAN, Beloslav. Logical entropy of dynamical systems in product MV-algebras and general scheme. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, art.no. 9., Registrované v: WOS

4. [2.1] BARBIERI, Giuseppina - LENZI, Giacomo. ENTROPY OF MV-ALGEBRAIC DYNAMICAL SYSTEMS: AN EXAMPLE. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 2, pp. 267-274., Registrované v: WOS

ADCA44 DOBREV, Stefan - NARAYANAN, L. - OPATRNÝ, J. Optimal Sensor Networks for Area Monitoring Using Rotating and Beam Sensors. In Theory of Computing Systems, 2014, vol. 54, no. 4, s. 622-639. (2013: 0.452 - IF, Q3 - JCR, 0.730 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 1432-4350. Dostupné na: https://doi.org/10.1007/s00224-013-9483-y

Citácie:

1. [1.2] LIU, Zhixiong - LI, Limiao. Modeling and Simulation of False Report Filtering Scheme Based on Position in Wireless Sensor Networks. In Xitong Fangzhen Xuebao / Journal of System Simulation. ISSN 1004731X, 2019-01-08, 31, 1, p. 27-35., Registrované v: SCOPUS

ADCA45 DOBREV, Stefan - DUROCHER, Stephane - EFTEKHARI, Mohsen - GEORGIOU, Konstantinos - KRANAKIS, E. Complexity of barrier coverage with relocatable sensors in the plane. In Theoretical Computer Science, 2015, vol. 579, p. 64-73. (2014: 0.657 - IF, Q3 - JCR, 0.669 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0304-3975. Dostupné na: https://doi.org/10.1016/j.tcs.2015.02.006

Citácie:

1. [1.1] HUANG, Mingfeng - LIU, Anfeng - ZHAO, Ming - WANG, Tian. Multi working sets alternate covering scheme for continuous partial coverage in WSNs. In PEER-TO-PEER NETWORKING AND APPLICATIONS. ISSN 1936-6442, 2019, vol. 12, no. 3, p. 553-567., Registrované v: WOS

2. [1.1] HUANG, Peihuang - ZHU, Wenxing - GUO, Longkun. Optimizing Movement for Maximizing Lifetime of Mobile Sensors for Covering Targets on a Line. In SENSORS. ISSN 1424-8220, 2019, vol. 19, no. 2., Registrované v: WOS

3. [1.1] LI, Shimin - WANG, Haitao. Algorithms for covering multiple barriers. In THEORETICAL COMPUTER SCIENCE. ISSN 0304-3975, 2019, vol. 758, p. 61-72., Registrované v: WOS

4. [1.1] WU, Weili - ZHANG, Zhao - GAO, Chuangen - DU, Hai - WANG, Hua - DU, Ding-Zhu. Quality of barrier cover with wireless sensors. In INTERNATIONAL JOURNAL OF SENSOR NETWORKS. ISSN 1748-1279, 2019, vol. 29, no. 4, p. 242-251., Registrované v: WOS

ADCA46 DOBREV, Stefan - SANTORO, N. - SHI, W. Locating a black hole in an unoriented ring using tokens. In Euro-Par 2007, 2007, vol. 4641, s. 608-617. ISSN 0302-9743.

Citácie:

1. [1.2] MARKOU, Euripides - SHI, Wei. Dangerous graphs. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11340 LNCS, p. 455-515., Registrované v: SCOPUS

ADCA47 DOBREV, Stefan - KRÁLOVIČ, R. - PARDUBSKÁ, D. Measuring the problem-relevant information in input. In RAIRO-Theoretical Informatics and Applications, 2009, vol. 43, no. 3, p. 585-613. (2008: 0.277 - IF, Q4 - JCR, 0.467 - SJR, Q2 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 0988-3754.

Citácie:

1. [1.1] BURJONS, Elisabet - KOMM, Dennis - SCHONGENS, Marcel. The k-Server Problem with Advice in d Dimensions and on the Sphere. In ALGORITHMICA. ISSN 0178-4617, 2019, vol. 81, no. 5, p. 1859-1880., Registrované v: WOS

ADCA48 DOBREV, Stefan - FLOCCHINI, Paola - KRÁLOVIČ, Rastislav - SANTORO, Nicola. Exploring an unknown dangerous graph using tokens. In Theoretical Computer Science, 2013, vol. 472, p. 28-45. (2012: 0.489 - IF, Q4 - JCR, 0.780 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0304-3975. Dostupné na: https://doi.org/10.1016/j.tcs.2012.11.022

Citácie:

1. [1.2] MARKOU, Euripides - SHI, Wei. Dangerous graphs. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11340 LNCS, p. 455-515., Registrované v: SCOPUS

ADCA49 DRMOTA, M. - NEDELA, Roman. Asymptotic enumeration of reversible maps regardless of genus. In Ars Mathematica Contemporanea, 2012, vol. 5, s. 77-97. (2011: 0.400 - IF, Q3 - JCR, karentované - CCC). (2012 - Current Contents). ISSN 1855-3966.

Citácie:

1. [1.1] CIOBANU, Laura - KOLPAKOV, Alexander. Free subgroups of free products and combinatorial hypermaps. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 5, p. 1415-1433., Registrované v: WOS

ADCA50 DVUREČENSKIJ, Anatolij - RIEČAN, Beloslav. Fuzzy quantum models. In International Journal of General Systems, 1991, vol. 20, no. 1, p. 39-54. ISSN 0308-1079.

Citácie:

1. [1.1] GISKI, Zahra Eslami - EBRAHIMZADEH, Abolfazl - MARKECHOVA, Dagmar. Renyi entropy of fuzzy dynamical systems. In CHAOS SOLITONS & FRACTALS. ISSN 0960-0779, 2019, vol. 123, no., p. 244-253., Registrované v: WOS

ADCA51 DVUREČENSKIJ, Anatolij - RACHUNEK, Jiri. Bounded commutative residuated l-monoids with general comparability and states. In Soft Computing, 2006, vol. 10, no. 3, s. 212-218. ISSN 1432-7643.

Citácie:

1. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS

2. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADCA52 DVUREČENSKIJ, Anatolij - VETTERLEIN, Thomas. Non-commutative algebras and quantum structures. In International Journal of Theoretical Physics, 2004, vol. 43, s. 1599-1612. ISSN 0020-7748.

Citácie:

1. [1.1] CHAJDA, Ivan - FAZIO, Davide - LEDDA, Antonio. A semiring-like representation of lattice pseudoeffect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 5, pp. 1465-1475., Registrované v: WOS

ADCA53 DVUREČENSKIJ, Anatolij - LAHTI, Pekka - YLINEN, K. The uniqueness question in the multidimensional moment problem with applications to phase space observables. In Reports on Mathematical Physics, 2002, vol. 50, p. 55-68. ISSN 0034-4877.

Citácie:
1. [1.1] CARO, Pedro - HELIN, Tapio - KUJANPAA, Ntti - LASSAS, Matti. Correlation imaging in inverse scattering is tomography on probability distributions. In INVERSE PROBLEMS. ISSN 0266-5611, 2019, vol. 35, no. 1, art.no. 015010, Registrované v: WOS

ADCA54 DVUREČENSKIJ, Anatolij - KULJUKINA, L. A. - OSOSKOV, G. A. On a problem of the busy-period determination in queues with infinitely many servers. In Journal of Applied Probability, 1984, vol. 21, s. 201-206. ISSN 0021-9002.

Citácie:
1. [1.2] LEBEDEV, E. O. - LIVINSKA, H. V. - SZTRIK, J. On Gaussian Approximation of Multi-Channel Networks with Input Flows of General Structure. In Journal of Mathematical Sciences (United States). ISSN 10723374, 2019-03-21, 237, 5, pp. 684-691., Registrované v: SCOPUS

ADCA55 DVUREČENSKIJ, Anatolij - VETTERLEIN, Thomas. Infinitary and Riesz properties for pseudoeffect algebras and po-groups. In Journal of the Australian Mathematical Society, 2003, vol. 75, s. 295-311. ISSN 1446-7887.

Citácie:
1. [1.1] GUO, Yanan - XIE, Yongjian. Direct limits of generalized pseudo-effect algebras with the Riesz decomposition properties. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 4, pp. 1071-1078., Registrované v: WOS

ADCA56 DVUREČENSKIJ, Anatolij. The Radon-Nikodým theorem for fuzzy probability spaces. In Fuzzy Sets and Systems, 1992, vol. 45, p. 69-78. ISSN 0165-0114.

Citácie:
1. [1.1] GISKI, Zahra Eslami - EBRAHIMZADEH, Abolfazl - MARKECHOVA, Dagmar. Renyi entropy of fuzzy dynamical systems. In CHAOS SOLITONS & FRACTALS. ISSN 0960-0779, 2019, vol. 123, no., pp. 244-253., Registrované v: WOS

ADCA57 DVUREČENSKIJ, Anatolij - RIEČAN, Beloslav. On joint distribution of observables for F-quantum spaces. In Fuzzy Sets and Systems, 1991, vol. 39, s. 65-73. ISSN 0165-0114.

Citácie:
1. [1.1] GISKI, Zahra Eslami - EBRAHIMZADEH, Abolfazl - MARKECHOVA, Dagmar. Renyi entropy of fuzzy dynamical systems. In CHAOS SOLITONS & FRACTALS. ISSN 0960-0779, 2019, vol. 123, no., pp. 244-253., Registrované v: WOS

ADCA58 DVUREČENSKIJ, Anatolij. On effect algebras which can be covered by MV-algebras. In International Journal of Theoretical Physics, 2002, vol. 41, s. 221-229. ISSN 0020-7748.

Citácie:
1. [1.1] FREYTES, H. - HOLIK, F. - BOSYK, G. M. - SERGIOLI, G. On an explicit representation of the ukasiewicz sum as a quantum operation. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 12, pp. 3999-4007., Registrované v: WOS

ADCA59 DVUREČENSKIJ, Anatolij. Commutative BCK-algebras and quantum structures. In International Journal of Theoretical Physics, 2000, vol. 39, p. 653-664. ISSN 0020-7748.

Citácie:
1. [1.1] LIU, Hongxing. On categorical equivalences of equality algebras and monadic equality algebras. In LOGIC JOURNAL OF THE IGPL. ISSN 1367-0751, 2019, vol. 27, no. 3, pp. 267-280., Registrované v: WOS

ADCA60 DVUREČENSKIJ, Anatolij. MV-observables and MV-algebras. In Journal of Mathematical Analysis and Applications, 2001, vol. 259, s. 413-428. ISSN 0022-247X.

Citácie:

1. [1.1] FREYTES, H. - HOLIK, F. - BOSYK, G. M. - SERGIOLI, G. On an explicit representation of the ukasiewicz sum as a quantum operation. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 12, pp. 3999-4007., Registrované v: WOS

2. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. On MV-Algebraic Versions of the Strong Law of Large Numbers. In ENTROPY, 2019, vol. 21, no. 7, art. no. 710., Registrované v: WOS

3. [1.2] NDIÉ, Thomas Djotio. An Entity-Based Black-Box Specification Approach for Modeling Wireless Community Network Services. In Advances in Intelligent Systems and Computing. ISSN 21945357, 2019-01-01, 998, pp. 318-335., Registrované v: SCOPUS

ADCA61 DVUREČENSKIJ, Anatolij. Tensor product of difference posets or of effect algebras. In International Journal of Theoretical Physics, 1995, vol. 34, s. 1337-1348. ISSN 0020-7748.

Citácie:

1. [1.1] FREYTES, Hector - GIUNTINI, Roberto - SERGIOLI, Giuseppe. Holistic Type Extension for Classical Logic via Toffoli Quantum Gate. In ENTROPY, 2019, vol. 21, no. 7, art. no. 636., Registrované v: WOS

ADCA62 DVUREČENSKIJ, Anatolij - VETTERLEIN, Thomas. Congruences and states on pseudoeffect algebras. In Foundations of Physics Letters, 2001, vol. 14, s. 425-446. ISSN 0894-9875.

Citácie:

1. [1.1] PULMANNOVA, S. Congruences and ideals in generalized pseudoeffect algebras revisited. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 735-745., Registrované v: WOS

2. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS

ADCA63 DVUREČENSKIJ, Anatolij - VETTERLEIN, Thomas. Pseudoeffect algebras. II. Group representation. In International Journal of Theoretical Physics, 2001, vol. 40, p. 703-726. ISSN 0020-7748.

Citácie:

1. [1.1] CHAJDA, Ivan - FAZIO, Davide - LEDDA, Antonio. A semiring-like representation of lattice pseudoeffect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 5, pp. 1465-1475., Registrované v: WOS

2. [1.1] GUO, Yanan - XIE, Yongjian. Direct limits of generalized pseudo-effect algebras with the Riesz decomposition properties. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 4, pp. 1071-1078., Registrované v: WOS

3. [1.1] PULMANNOVA, S. Congruences and ideals in generalized pseudoeffect algebras revisited. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 735-745., Registrované v: WOS

4. [1.1] RUMP, Wolfgang. A covering theory for non-involutive set-theoretic solutions to the Yang-Baxter equation. In JOURNAL OF ALGEBRA. ISSN 0021-8693, 2019, vol. 520, no., pp. 136-170., Registrované v: WOS

5. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS

ADCA64 DVUREČENSKIJ, Anatolij - PULMANNOVÁ, Sylvia. Difference posets, effects, and quantum measurements. In International Journal of Theoretical Physics, 1994, vol. 33, p. 819-850. ISSN 0020-7748.

Citácie:

1. [1.2] GUDDER, Stan. Contexts in convex and sequential effect algebras. In Electronic Proceedings in Theoretical Computer Science, EPTCS. ISSN 20752180, 2019-01-01, 287, pp. 191-211., Registrované v: SCOPUS

ADCA65 DVUREČENSKIJ, Anatolij - CHOVANEC, Ferdinand. Fuzzy quantum spaces and compatibility. In International Journal of Theoretical Physics, 1988, vol. 27, p. 1069-1082. ISSN 0020-7748.

Citácie:

1. [1.1] GISKI, Zahra Eslami - EBRAHIMZADEH, Abolfazl - MARKECHOVA, Dagmar. Renyi entropy of fuzzy dynamical systems. In CHAOS SOLITONS & FRACTALS. ISSN 0960-0779, 2019, vol. 123, no., pp. 244-253., Registrované v: WOS

ADCA66 DVUREČENSKIJ, Anatolij. On orders of observables on effect algebras. In International Journal of Theoretical Physics, 2017, vol. 56, no. 12, p. 4112-4125. (2016: 0.964 - IF, Q3 - JCR, 0.297 - SJR, Q3 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0020-7748. Dostupné na: https://doi.org/10.1007/s10773-017-3472-x

Citácie:

1. [1.1] JANDA, Jiri - LI, Yongming. The sum of observables on a sigma-distributive lattice effect algebra. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 16, pp. 6743-6753., Registrované v: WOS

2. [1.1] KHARE, Mona - PANDEY, Pratibha. Extensions of a tight function and their continuity in quantum logic. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 22, pp. 11389-11398., Registrované v: WOS

ADCA67 DVUREČENSKIJ, Anatolij - HYČKO, Marek. Hyper effect algebras. In Fuzzy Sets and Systems, 2017, vol. 326, p. 34-51. (2016: 2.718 - IF, Q1 - JCR, 1.408 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2016.12.012

Citácie:

1. [1.1] GAO, Xiao Li - XIN, Xiao Long - ZHAN, Jian Ming. Some types of filters and states on hyper NM-algebras. In ITALIAN JOURNAL OF PURE AND APPLIED MATHEMATICS. ISSN 1126-8042, 2019, vol., no. 42, pp. 880-898., Registrované v: WOS

2. [1.1] JI, Wei - XIE, Hai. Hyper-commutators in effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, pp. 5967-5973., Registrované v: WOS

3. [1.1] JI, Wei. Hyper-operations in effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 13, pp. 4585-4592., Registrované v: WOS

4. [1.1] MEHRPOOYA, Adel - SAYYARI, Yamin - MOLAEI, MohammadReza. Algebraic and Shannon entropies of commutative hypergroups and their connection with information and permutation entropies and with calculation of entropy for chemical algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 24, pp. 13035-13053., Registrované v: WOS

ADCA68 DVUREČENSKIJ, Anatolij. Quantum observables and effect algebras. In International Journal of Theoretical Physics, 2018, vol. 57, no. 3, p. 637-651. (2017: 0.968 - IF, Q3 - JCR, 0.285 - SJR, Q3 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS). ISSN 0020-7748. Dostupné na: https://doi.org/10.1007/s10773-017-3594-1

Citácie:

1. [1.1] JANDA, Jiri - LI, Yongming. The sum of observables on a sigma-distributive lattice effect algebra. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 16, pp. 6743-6753., Registrované v: WOS

ADCA69 DVUREČENSKIJ, Anatolij. Sum of observables on MV-effect algebras. In Soft Computing, 2018, vol. 22, no. 8, p. 2485-2493. (2017: 2.367 - IF, Q2 - JCR, 0.593 - SJR, Q2 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-017-2741-1

Citácie:

1. [1.1] JANDA, Jiri - LI, Yongming. The sum of observables on a sigma-distributive lattice effect algebra. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 16, pp. 6743-6753., Registrované v: WOS

ADCA70 DVUREČENSKIJ, Anatolij. Markov kernels and tribes. In Information Sciences, 2018, vol. 460-461, p. 42-50. (2017: 4.305 - IF, Q1 - JCR, 1.635 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2018.05.042

Citácie:

1. [1.1] CHAJDA, Ivan - LAENGER, Helmut - PASEKA, Jan. The Logic of Lattice Effect Algebras Based on Induced Groupoids. In JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING. ISSN 1542-3980, 2019, vol. 33, no. 3, pp. 161-175., Registrované v: WOS

ADCA71 DVUREČENSKIJ, Anatolij. Representable effect algebras and observables. In International Journal of Theoretical Physics, 2014, vol. 53, p. 2855-2866. (2013: 1.186 - IF, Q3 - JCR, 0.494 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0020-7748. Dostupné na: https://doi.org/10.1007/s10773-014-2083-z

Citácie:

1. [1.1] JANDA, Jiri - LI, Yongming. The sum of observables on a sigma-distributive lattice effect algebra. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 16, pp. 6743-6753., Registrované v: WOS

ADCA72 DVUREČENSKIJ, Anatolij. Olson order of quantum observables. In International Journal of Theoretical Physics, 2016, vol. 55, no. 11, p. 4896-4912. (2015: 1.041 - IF, Q3 - JCR, 0.359 - SJR, Q3 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0020-7748. Dostupné na: https://doi.org/10.1007/s10773-016-3113-9

Citácie:

1. [1.1] JANDA, Jiri - LI, Yongming. The sum of observables on a sigma-distributive lattice effect algebra. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 16, pp. 6743-6753., Registrované v: WOS

ADCA73 DVUREČENSKIJ, Anatolij - ZAHIRI, Omid. Pseudo equality algebras: revision. In Soft Computing, 2016, vol. 20, no. 6, p. 2091-2101. (2015: 1.630 - IF, Q2 - JCR, 0.759 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-015-1888-x

Citácie:
1. [1.1] GHORBANI, Shokoofeh. Monadic pseudo-equality algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 24, pp. 12937-12950., Registrované v: WOS

ADCA74 DVUREČENSKIJ, Anatolij - KUKOVÁ, M. Observables on quantum structures. In Information Sciences, 2014, vol. 262, p. 215-222. (2013: 3.893 - IF, Q1 - JCR, 2.332 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2013.09.014

Citácie:
1. [1.1] JANDA, Jiri - LI, Yongming. The sum of observables on a sigma-distributive lattice effect algebra. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 16, pp. 6743-6753., Registrované v: WOS

ADCA75 DVUREČENSKIJ, Anatolij. Subdirectly irreducible state-morphism BL-algebras. In Archive for Mathematical Logic, 2011, vol. 50, p. 145-160. (2010: 0.414 - IF, Q3 - JCR, 0.568 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1432-0665. Dostupné na: https://doi.org/10.1007/s00153-010-0206-7

Citácie:
1. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS
2. [1.1] FOROUZESH, F. - DARIJANI, A. SOME CLASSES OF STATE IDEALS IN STATE MV-ALGEBRAS. In EURASIAN MATHEMATICAL JOURNAL. ISSN 2077-9879, 2019, vol. 10, no. 2, pp. 37-48., Registrované v: WOS

ADCA76 DVUREČENSKIJ, Anatolij. States on pseudo effect algebras and integrals. In Foundations of Physics, 2011, vol. 41, s. 1143-1162. (2010: 0.972 - IF, Q2 - JCR, 0.449 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0015-9018. Dostupné na: https://doi.org/10.1007/s10701-011-9537-4

Citácie:
1. [1.1] XIN, X. L. - KHAN, M. - JUN, Y. B. Generalized states on EQ-algebras. In IRANIAN JOURNAL OF FUZZY SYSTEMS. ISSN 1735-0654, 2019, vol. 16, no. 1, pp. 159-172., Registrované v: WOS

ADCA77 DVUREČENSKIJ, Anatolij. The lattice and simplex structure of states on pseudo effect algebras. In International Journal of Theoretical Physics, 2011, vol. 50, p. 2758-2775. (2010: 0.670 - IF, Q3 - JCR, 0.312 - SJR, Q3 - SJR, karentované - CCC). (2011 - Current Contents, SCOPUS). ISSN 0020-7748. Dostupné na: https://doi.org/10.1007/s10773-011-0775-1

Citácie:
1. [1.1] SINGH, Akhilesh Kumar. Signed lambda-Measures on Effect Algebras. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES. ISSN 0369-8203, 2019, vol. 89, no. 4, pp. 729-735., Registrované v: WOS

ADCA78 DVUREČENSKIJ, Anatolij. Decompositions of measures on pseudo effect algebras. In Soft Computing, 2011, vol. 15, s. 1825-1833. (2010: 1.512 - IF, Q2 - JCR, 0.694 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-011-0696-1

Citácie:
1. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS

ADCA79 DVUREČENSKIJ, Anatolij - GIUNTINI, R. - KOWALSKI, Tomasz. On the structure of pseudo BL-algebras and pseudo hoops in quantum logics. In Foundations of Physics, 2010, vol. 40, p. 1519-1542. (2009: 0.805 - IF, Q3 - JCR, 0.520 - SJR, Q2 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0015-9018. Dostupné na: https://doi.org/10.1007/s10701-009-9342-5

Citácie:

1. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS

2. [1.1] JIPSEN, Peter - KINYON, Michael. Nonassociative right hoops. In ALGEBRA UNIVERSALIS. ISSN 0002-5240, 2019, vol. 80, no. 4, art. no. 47, Registrované v: WOS

3. [1.1] RASOULI, Saeed - ZARIN, Zeinab. On residuated lattices with left and right internal state. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 37-61., Registrované v: WOS

4. [1.1] WANG, Wei - YANG, Pengxi - XU, Yang. Further Complete Solutions to Four Open Problems on Filter of Logical Algebras. In INTERNATIONAL JOURNAL OF COMPUTATIONAL INTELLIGENCE SYSTEMS. ISSN 1875-6891, 2019, vol. 12, no. 1, pp. 359-366., Registrované v: WOS

ADCA80 DVUREČENSKIJ, Anatolij - RACHUNEK, Jiri. Probabilistic averaging in bounded Rl-monoids. In Semigroup forum, 2006, vol. 72, no. 2, p. 190-206. (2005: 0.383 - IF, Q3 - JCR, 0.773 - SJR, Q2 - SJR). ISSN 0037-1912.

Citácie:

1. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS

2. [1.1] RASOULI, Saeed - DAVVAZ, Bijan. Rough filters based on residuated lattices. In KNOWLEDGE AND INFORMATION SYSTEMS. ISSN 0219-1377, 2019, vol. 58, no. 2, pp. 399-424., Registrované v: WOS

3. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS

4. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADCA81 DVUREČENSKIJ, Anatolij. Lexicographic pseudo MV-algebras. In Journal of Applied Logic, 2015, vol. 13, p. 825-841. (2014: 0.576 - IF, Q2 - JCR, 0.502 - SJR, Q3 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 1570-8683. Dostupné na: https://doi.org/10.1016/j.jal.2015.10.001

Citácie:

1. [1.1] CHAJDA, Ivan - FAZIO, Davide - LEDDA, Antonio. A semiring-like representation of lattice pseudoeffect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 5, pp. 1465-1475., Registrované v: WOS

ADCA82 DVUREČENSKIJ, Anatolij. Kite Pseudo Effect Algebras. In Foundations of Physics, 2013, vol. 43, s. 1314-1338. (2012: 1.170 - IF, Q3 - JCR, 0.828 - SJR, Q2 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0015-9018. Dostupné na: https://doi.org/10.1007/s10701-013-9748-y

Citácie:
1. [1.1] PULMANNOVA, S. Congruences and ideals in generalized pseudoeffect algebras revisited. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 735-745., Registrované v: WOS

ADCA83 DVUREČENSKIJ, Anatolij - RACHUNEK, J. - ŠALOUNOVÁ, D. State operators on generalizations of fuzzy structures. In Fuzzy Sets and Systems, 2012, vol. 187, p. 58-76. (2011: 1.759 - IF, Q1 - JCR, 1.407 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0165-0114. Fuzzy Sets and Systems, 2012, vol.194, p. 97-99. (2011: 1.759 - IF, Q1 - JCR, 1.407 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0165-0114. Erratum publikované vo vol. 194. Dostupné na: https://doi.org/10.1016/j.fss.2011.12.007

Citácie:
1. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS
2. [1.1] FOROUZESH, F. - DARIJANI, A. SOME CLASSES OF STATE IDEALS IN STATE MV-ALGEBRAS. In EURASIAN MATHEMATICAL JOURNAL. ISSN 2077-9879, 2019, vol. 10, no. 2, pp. 37-48., Registrované v: WOS
3. [1.1] RASOULI, Saeed - ZARIN, Zeinab. On residuated lattices with left and right internal state. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 37-61., Registrované v: WOS
4. [1.1] XIN, X. L. - KHAN, M. - JUN, Y. B. Generalized states on EQ-algebras. In IRANIAN JOURNAL OF FUZZY SYSTEMS. ISSN 1735-0654, 2019, vol. 16, no. 1, pp. 159-172., Registrované v: WOS
5. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS
6. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADCA84 DVUREČENSKIJ, Anatolij. States on quantum structures versus integrals. In International Journal of Theoretical Physics, 2011, vol. 50, p. 3761-3777. (2010: 0.670 - IF, Q3 - JCR, 0.312 - SJR, Q3 - SJR, karentované - CCC). (2011 - Current Contents, SCOPUS). ISSN 0020-7748. Dostupné na: https://doi.org/10.1007/s10773-011-0693-2

Citácie:
1. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS
2. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADCA85 DVUREČENSKIJ, Anatolij. Every linear pseudo BL-algebra admits a state. In Soft Computing, 2007, vol. 11, p. 495-501. (2006: 0.516 - IF, Q4 - JCR, 0.430 - SJR, Q2 - SJR). ISSN 1432-7643.

Citácie:
1. [1.1] AGLIANO, Paolo. Splittings in GBL-algebras I: The general case. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 1-18., Registrované v: WOS

2. [1.1] AGLIANO, Paolo. Splittings in GBL-algebras II: The representable case. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 19-36., Registrované v: WOS
3. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS
4. [1.1] DANESHPAYEH, Roohallah - SAEID, Arsham Borumand - MIRVAKILI, Saeed. A representation for radicals in pseudo BL-algebras. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 36, no. 2, pp. 1443-1454., Registrované v: WOS
5. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS

ADCA86 DVUREČENSKIJ, Anatolij. Agliano-Montagna type decomposition of linear pseudo hoops and its applications. In Journal of Pure and Applied Algebra, 2007, vol. 211, p. 851-861. (2006: 0.470 - IF, Q3 - JCR, 1.106 - SJR, Q1 - SJR). ISSN 0022-4049.

Citácie:

1. [1.1] AGLIANO, Paolo. Splittings in GBL-algebras I: The general case. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 1-18., Registrované v: WOS
2. [1.1] AGLIANO, Paolo. Splittings in GBL-algebras II: The representable case. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 19-36., Registrované v: WOS
3. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS

ADCA87 DVUREČENSKIJ, Anatolij - HOLLAND, W. Charles. Top varieties of generalized MV-algebras and unital lattice-ordered groups. In Communications in Algebra, 2007, vol. 35, no. 11, p. 3370-3390. (2006: 0.268 - IF, Q4 - JCR, 0.667 - SJR, Q3 - SJR). ISSN 0092-7872.

Citácie:

1. [1.1] AGLIANO, Paolo. Splittings in GBL-algebras II: The representable case. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 19-36., Registrované v: WOS

ADCA88 DVUREČENSKIJ, Anatolij - KÜHR, Jan. On the structure of linearly ordered pseudo-BCK-algebras. In Archive for Mathematical Logic, 2009, vol. 48, p. 771-791. (2008: 0.552 - IF, Q3 - JCR, 0.608 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 1432-0665.

Citácie:

1. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS

ADCA89 DVUREČENSKIJ, Anatolij. Central elements and Cantor-Bernstein´s theorem for pseudo-effect algebras. In Journal of Australian Mathematical Society, 2003, vol. 74, s. 121-143. ISSN 1146-7887.

Citácie:

1. [1.1] FREYTES, Hector. The Cantor-Bernstein-Schroder theorem via universal algebra. In ALGEBRA UNIVERSALIS. ISSN 0002-5240, 2019, vol. 80, no. 2, art. no. 17., Registrované v: WOS

2. [1.2] JENČA, Gejza. Pseudo effect algebras are algebras over bounded posets. In Fuzzy Sets and Systems. ISSN 01650114, 2019-01-01., Registrované v: SCOPUS

ADCA90 DVUREČENSKIJ, Anatolij. Gleason´s theorem and Cauchy functional equation. In International Journal of Theoretical Physics, 1996, vol. 35, s. 2687-2695. ISSN 0020-7748.

Citácie:

1. [1.1] WRIGHT, Victoria J. - WEIGERT, Stefan. Gleason-Type Theorems from Cauchy´s Functional Equation. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 594-606., Registrované v: WOS

ADCA91 DVUREČENSKIJ, Anatolij - PULMANNOVÁ, Sylvia. Conditional probability on /sigma-MV-algebras. In Fuzzy Sets and Systems, 2005, vol. 155, s. 102-118. ISSN 0165-0114.

Citácie:

1. [2.2] BABICOVÁ, Dušana - FRIČ, Roman. Real Functions in Stochastic Dependence. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 17-34., Registrované v: SCOPUS

ADCA92 DVUREČENSKIJ, Anatolij. Pseudo MV-algebras are intervals in l-groups. In Journal of the Australian Mathematical Society, 2002, vol. 72, p. 427-445. ISSN 1446-7887.

Citácie:

1. [1.1] AGLIANO, Paolo. Splittings in GBL-algebras II: The representable case. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 19-36., Registrované v: WOS

2. [1.1] CHAJDA, Ivan - FAZIO, Davide - LEDDA, Antonio. A semiring-like representation of lattice pseudoeffect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 5, pp. 1465-1475., Registrované v: WOS

3. [1.1] DIETZEL, Carsten - RUMP, Wolfgang - ZHANG, Xia. One-sided orthogonality, orthomodular spaces, quantum sets, and a class of Garside groups. In JOURNAL OF ALGEBRA. ISSN 0021-8693, 2019, vol. 526, no., pp. 51-80., Registrované v: WOS

4. [1.1] FREYTES, Hector. The Cantor-Bernstein-Schroder theorem via universal algebra. In ALGEBRA UNIVERSALIS. ISSN 0002-5240, 2019, vol. 80, no. 2, art no. 17., Registrované v: WOS

5. [2.1] BORZOOEI, R. A. - SHENAVAEI, M. - DI NOLA, A. - ZAHIRI, O. ON EMV-SEMIRINGS. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 4, pp. 739-752., Registrované v: WOS

ADCA93 DVUREČENSKIJ, Anatolij - VETTERLEIN, Thomas. Pseudoeffect Algebras. I. Basic properties. In International Journal of Theoretical Physics, 2001, vol. 40, p. 685-701. ISSN 0020-7748.

Citácie:

1. [1.1] CHAJDA, Ivan - FAZIO, Davide - LEDDA, Antonio. A semiring-like representation of lattice pseudoeffect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 5, pp. 1465-1475., Registrované v: WOS

2. [1.1] GUO, Yanan - XIE, Yongjian. Direct limits of generalized pseudo-effect algebras with the Riesz decomposition properties. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 4, pp. 1071-1078., Registrované v: WOS

3. [1.1] HUA, Xiujuan. Fuzzy rough set based on lattice effect algebra. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 36, no. 1, pp. 29-36., Registrované v: WOS

4. [1.1] PULMANNOVA, S. Congruences and ideals in generalized pseudoeffect algebras revisited. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 735-745., Registrované v: WOS
5. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, p. 1035-1046., Registrované v: WOS

ADCA94 EOM, Hae-Sung - HAN, Yo-Sub - JIRÁSKOVÁ, Galina. State complexity of basic operations on non-returning regular languages. In Fundamenta Informaticae, 2016, vol. 144, no. 2, p. 161-182. (2015: 0.658 - IF, Q3 - JCR, 0.429 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0169-2968. Dostupné na: https://doi.org/10.3233/FI-2016-1326

Citácie:
1. [1.1] BRZOZOWSKI, Janusz A. - DAVIES, Sylvie. Most Complex Non-Returning Regular Languages. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 921-957., Registrované v: WOS
2. [1.2] FERENS, Robert - SZYKUŁA, Marek. Complexity of bifix-free regular languages. In Theoretical Computer Science. ISSN 03043975, 2019-10-01, 787, pp. 14-27., Registrované v: SCOPUS

ADCA95 FEČKAN, Michal. Periodic solutions of certain abstract wave equations. In Proceedings of the American Mathematical Society, 1995, vol. 123, no. 2, p. 465-470. ISSN 0002-9939. Dostupné na: https://doi.org/10.1090/S0002-9939-1995-1234625-9

Citácie:
1. [1.1] CHEN, Bochao - LI, Yong - YANG, Xue. Periodic Solutions to Nonlinear Wave Equation with X-Dependent Coefficients Under the General Boundary Conditions. In JOURNAL OF DYNAMICS AND DIFFERENTIAL EQUATIONS. ISSN 1040-7294, 2019, vol. 31, no. 1, pp. 321-368., Registrované v: WOS

ADCA96 FEČKAN, Michal. Parametrized singularly perturbed boundary value problems. In Journal of Mathematical Analysis and Applications, 1994, vol. 188, no. 2, p. 426-435. ISSN 0022-247X. Dostupné na: https://doi.org/10.1006/jmaa.1994.1436

Citácie:
1. [1.1] SHAKTI, D. - MOHAPATRA, J. Parameter-Uniform Numerical Methods for a Class of Parameterized Singular Perturbation Problems. In NUMERICAL ANALYSIS AND APPLICATIONS. ISSN 1995-4239, 2019, vol. 12, no. 2, pp. 176-190., Registrované v: WOS

ADCA97 FEČKAN, Michal - ROTHOS, Vassilis M. Travelling waves in Hamiltonian systems on 2D lattices with nearest neighbour interactions. In Nonlinearity, 2007, vol. 20, no. 2, p. 319-341. ISSN 0951-7715.

Citácie:
1. [1.1] BUFFONI, Boris - SCHWETLICK, Hartmut - ZIMMER, Johannes. Travelling heteroclinic waves in a Frenkel-Kontorova chain with anharmonic on-site potential. In JOURNAL DE MATHEMATIQUES PURES ET APPLIQUEES. ISSN 0021-7824, 2019, vol. 123, no., pp. 1-40., Registrované v: WOS
2. [1.2] BAK, S. M. Homoclinic traveling waves in discrete sine-gordon equation with nonlinear interaction on 2D-lattice. In Matematychni Studii. ISSN 10274634, 2019-01-01, 52, 2, pp. 176-184., Registrované v: SCOPUS
3. [1.2] BAK, Sergiy - KOVTONYUK, Galyna. Existence of standing waves in DNLs with saturable nonlinearity on 2D-lattice. In Communications in Mathematical Analysis, 2019-01-01, 22, 2, pp. 18-34., Registrované v: SCOPUS

ADCA98 FEČKAN, Michal - MARYNETS, Kateryna. Approximation approach to periodic BVP for fractional differential systems. In The European Physical Journal Special Topics, 2017, vol. 226, no. 16-18, p. 3681-3692. (2016: 1.862 - IF, Q2 - JCR, 0.581 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1951-6355. Dostupné na: https://doi.org/10.1140/epjst/e2018-00017-9

Citácie:

1. [1.1] MAHMUDOV, Nazim - EMIN, Sedef - BAWANAH, Sameer. On the Parametrization of Caputo-Type Fractional Differential Equations with Two-Point Nonlinear Boundary Conditions. In MATHEMATICS, 2019, vol. 7, no. 8., Registrované v: WOS

ADCA99 FEČKAN, Michal** - WANG, JinRong. Periodic impulsive fractional differential equations. In Advances in Nonlinear Analysis, 2019, vol. 8, no. 1, p. 482-496. (2018: 6.636 - IF, Q1 - JCR, 3.215 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 2191-9496. Dostupné na: https://doi.org/10.1515/anona-2017-0015

Citácie:

1. [1.1] ALVAREZ, Edgardo - CASTILLO, Samuel - PINTO, Manuel. (omega,c)-Pseudo periodic functions, first order Cauchy problem and Lasota-Wazewska model with ergodic and unbounded oscillating production of red cells. In BOUNDARY VALUE PROBLEMS. ISSN 1687-2770, 2019., Registrované v: WOS

2. [1.1] LI, Qien - LUO, Danfeng - LUO, Zhiguo - ZHU, Quanxin. On the Novel Finite-Time Stability Results for Uncertain Fractional Delay Differential Equations Involving Noninstantaneous Impulses. In MATHEMATICAL PROBLEMS IN ENGINEERING. ISSN 1024-123X, 2019, vol. 2019., Registrované v: WOS

ADCA100 FEČKAN, Michal - POSPÍŠIL, Michal. Note on fractional difference Gronwall inequalities. In Electronic Journal of Qualitative Theory of Differential Equations, 2014, vol. 44, s. 1-18. (2013: 0.638 - IF, Q2 - JCR, 0.642 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 1417-3875.

Citácie:

1. [1.1] BUTT, Rabia Ilyas - ABDELJAWAD, Thabet - ALQUDAH, Manar A. - REHMAN, Mujeeb Ur. Ulam stability of Caputo q-fractional delay difference equation: q-fractional Gronwall inequality approach. In JOURNAL OF INEQUALITIES AND APPLICATIONS. ISSN 1029-242X, 2019, vol. 2019, no. 1, art. no. 305., Registrované v: WOS

2. [1.1] LIU, Xiang - PETERSON, Allan - JIA, Baoguo - ERBE, Lynn. A generalized h-fractional Gronwall';s inequality and its applications for nonlinear h-fractional difference systems with ';maxima';. In JOURNAL OF DIFFERENCE EQUATIONS AND APPLICATIONS. ISSN 1023-6198, 2019, vol. 25, no. 6, pp. 815-836., Registrované v: WOS

ADCA101 FEČKAN, Michal** - MARYNETS, Kateryna. Approximation approach to periodic BVP for mixed fractional differential systems. In Journal of Computational and Applied Mathematics, 2018, vol. 339, p. 208-217. (2017: 1.632 - IF, Q1 - JCR, 0.938 - SJR, Q2 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0377-0427. Dostupné na: https://doi.org/10.1016/j.cam.2017.10.028

Citácie:

1. [1.1] MAHMUDOV, Nazim - EMIN, Sedef - BAWANAH, Sameer. On the Parametrization of Caputo-Type Fractional Differential Equations with Two-Point Nonlinear Boundary Conditions. In MATHEMATICS, 2019, vol. 7, no. 8., Registrované v: WOS

ADCA102 FEČKAN, Michal - ROTHOS, Vassilis M. Travelling waves of discrete nonlinear Schrödinger equations with nonlocal interactions. In Applicable Analysis, 2010, vol. 89, no. 9, p. 1387-1411. (2009: 0.613 - IF, Q3 - JCR, karentované - CCC). (2010 - Current Contents). ISSN 0003-6811. Dostupné na: https://doi.org/10.1080/00036810903208130

Citácie:

1. [1.1] ANTONIO VELEZ-PEREZ, Jose - PANAYOTAROS, Panayotis. Wannier functions and discrete NLS equations for nematicons. In MATHEMATICS IN ENGINEERING, 2019, vol. 1, no. 2, pp. 309-326., Registrované v: WOS

2. [1.1] PANKOV, Alexander. TRAVELING WAVES IN FERMI-PASTA-ULAM CHAINS WITH NONLOCAL INTERACTION. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES S. ISSN 1937-1632, 2019, vol. 12, no. 7, pp. 2097-2113., Registrované v: WOS

ADCA103 FEČKAN, Michal - POSPÍŠIL, Michal. Bifurcation of sliding periodic orbits in periodically forced discontinuous systems. In Nonlinear Analysis: Real World Applications, 2013, vol. 14, no. 1, p. 150-162. (2012: 2.201 - IF, Q1 - JCR, 1.813 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 1468-1218. Dostupné na: https://doi.org/10.1016/j.nonrwa.2012.05.009

Citácie:

1. [1.1] FAN, Zhihui - DU, Zhengdong. Bifurcation of Periodic Orbits Crossing Switching Manifolds Multiple Times in Planar Piecewise Smooth Systems. In INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS. ISSN 0218-1274, 2019, vol. 29, no. 12, art. no. 1950160., Registrované v: WOS

2. [1.2] LI, Shuangbao - ZHAO, Shuaibei. The analytical method of studying subharmonic periodic orbits for planar piecewise-smooth systems with two switching manifolds. In International Journal of Dynamics and Control. ISSN 2195268X, 2019-03-13, 7, 1, pp. 23-35., Registrované v: SCOPUS

ADCA104 FEČKAN, Michal - WANG, JinRong - ZHOU, Yong. Controllability of fractional functional evolution equations of Sobolev type via characteristic solution operators. In Journal of Optimization Theory and Applications, 2013, vol. 156, no. 1, p. 79-95. (2012: 1.423 - IF, Q1 - JCR, 1.240 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0022-3239. Dostupné na: https://doi.org/10.1007/s10957-012-0174-7

Citácie:

1. [1.1] CHANG, Yong-Kui - PONCE, Rodrigo - RUEDA, Silvia. Fractional differential equations of Sobolev type with sectorial operators. In SEMIGROUP FORUM. ISSN 0037-1912, 2019, vol. 99, no. 3, pp. 591-606., Registrované v: WOS

2. [1.1] CHANG, Yong-Kui - PONCE, Rodrigo. SOBOLEV TYPE TIME FRACTIONAL DIFFERENTIAL EQUATIONS AND OPTIMAL CONTROLS WITH THE ORDER IN (1,2). In DIFFERENTIAL AND INTEGRAL EQUATIONS. ISSN 0893-4983, 2019, vol. 32, no. 9-10, pp. 517-540., Registrované v: WOS

3. [1.1] SINGH, Vikram - PANDEY, Dwijendra N. PC-Mild Solutions to Sobolev-Type Fractional Differential Equations with Non-instantaneous Impulses. In MEDITERRANEAN JOURNAL OF MATHEMATICS. ISSN 1660-5446, 2019, vol. 16, no. 4., Registrované v: WOS

4. [1.1] ZHAN WENTAO - LI ZHI. Sobolev-type Fractional Stochastic Differential Equations Driven by Fractional Brownian Motion with Non-Lipschitz Coefficients. In JOURNAL OF PARTIAL DIFFERENTIAL EQUATIONS. ISSN 2079-732X, 2019, vol. 32, no. 2, pp. 144-155., Registrované v: WOS
5. [1.2] CHAUDHARY, Renu. Monotone iterative technique for Sobolev type fractional integro-differential equations with fractional nonlocal conditions. In Rendiconti del Circolo Matematico di Palermo. ISSN 0009725X, 2019-01-01., Registrované v: SCOPUS
6. [1.2] SUBASHINI, R. - RAVICHANDRAN, C. On the results of nonlocal Hilfer fractional semilinear differential inclusions. In Advanced Studies in Contemporary Mathematics (Kyungshang). ISSN 12293067, 2019-07-01, 29, 3, pp. 311-329., Registrované v: SCOPUS
7. [1.2] TAMILSELVAN, M. - MURUGESU, R. Approximate controllability of sobolev-type fractional neutral evolution inclusions. In Discontinuity, Nonlinearity, and Complexity. ISSN 21646376, 2019-01-01, 8, 1, pp. 73-90., Registrované v: SCOPUS

ADCA105 FEČKAN, Michal - POSPÍŠIL, Michal - WANG, JinRong. Note on weakly fractional differential equations. In Advances in Difference Equations, 2019, vol. 143, p. [1-11]. (2018: 1.510 - IF, Q1 - JCR, 0.525 - SJR, Q2 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1687-1839. Dostupné na: https://doi.org/10.1186/s13662-019-2086-4

Citácie:
1. [1.1] REN, Teng - XIAO, Helu - ZHOU, Zhongbao - ZHANG, Xinguang - XING, Lining - WANG, Zhongwei - CUI, Yujun. The Iterative Scheme and the Convergence Analysis of Unique Solution for a Singular Fractional Differential Equation from the Eco-Economic Complex System´s Co-Evolution Process. In COMPLEXITY. ISSN 1076-2787, 2019, vol. 2019, art. no. 9278056., Registrované v: WOS

ADCA106 FEČKAN, Michal - MARYNETS, Kateryna - WANG, JinRong. Periodic boundary value problems for higher-order fractinal differential systems. In Mathematical Methods in the Applied Sciences, 2019, vol. 42, p. 3616-3632. (2018: 1.533 - IF, Q2 - JCR, 0.666 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0170-4214. Dostupné na: https://doi.org/10.1002/mma.5601

Citácie:
1. [1.1] REN, Teng - XIAO, Helu - ZHOU, Zhongbao - ZHANG, Xinguang - XING, Lining - WANG, Zhongwei - CUI, Yujun. The Iterative Scheme and the Convergence Analysis of Unique Solution for a Singular Fractional Differential Equation from the Eco-Economic Complex System´s Co-Evolution Process. In COMPLEXITY. ISSN 1076-2787, 2019, vol. 2019, art. no. 9278056., Registrované v: WOS

ADCA107 FOULIS, David J - JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. Every synaptic algebra has the monotone square root property. In Positivity, 2017, vol. 21, no. 3, p. 919-930. (2016: 0.661 - IF, Q2 - JCR, 0.640 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1385-1292. Dostupné na: https://doi.org/10.1007/s11117-016-0443-z

Citácie:
1. [1.1] GAAL, Marcell. Maps between positive cones of operator algebras preserving a measure of the difference between arithmetic and geometric means. In POSITIVITY. ISSN 1385-1292, 2019, vol. 23, no. 2, pp. 461-467., Registrované v: WOS

ADCA108 FOULIS, David J - JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. Two projections in a synaptic algebra. In Linear Algebra and its Applications, 2015, vol. 478, s. 162-187. (2014: 0.939 - IF, Q1 - JCR, 0.924 - SJR, Q2 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0024-3795. Dostupné na: https://doi.org/10.1016/j.laa.2015.03.021

Citácie:

1. [1.1] LUO, Wei - MOSLEHIAN, Mohammad Sal - XU, Qingxiang. Halmos'; two projections theorem for Hilbert C-module operators and the Friedrichs angle of two closed submodules. In LINEAR ALGEBRA AND ITS APPLICATIONS. ISSN 0024-3795, 2019, vol. 577, p. 134-158., Registrované v: WOS*

ADCA109 FOULIS, David J - PULMANNOVÁ, Sylvia - VINCEKOVÁ, Elena. Lattice pseudoeffect algebras as double residuated structures. In Soft Computing, 2011, vol. 15, no. 12, p. 2479-2488. (2010: 1.512 - IF, Q2 - JCR, 0.694 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-011-0710-7

Citácie:

1. [1.1] CHAJDA, Ivan - FAZIO, Davide - LEDDA, Antonio. A semiring-like representation of lattice pseudoeffect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 5, pp. 1465-1475., Registrované v: WOS

ADCA110 FOULIS, David J - JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. A projection and an effect in a synaptic algebra. In Linear Algebra and its Applications, 2015, vol. 485, p. 417-441. (2014: 0.939 - IF, Q1 - JCR, 0.924 - SJR, Q2 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0024-3795. Dostupné na: https://doi.org/10.1016/j.laa.2015.07.039

Citácie:

1. [1.1] LUO, Wei - MOSLEHIAN, Mohammad Sal - XU, Qingxiang. Halmos'; two projections theorem for Hilbert C-module operators and the Friedrichs angle of two closed submodules. In LINEAR ALGEBRA AND ITS APPLICATIONS. ISSN 0024-3795, 2019, vol. 577, no., pp. 134-158., Registrované v: WOS*

ADCA111 FOULIS, David J. - PULMANNOVÁ, Sylvia. Monotone sigma-complete RC-groups. In Journal of the London Mathematical Society, 2006, vol. 73, part 2, s. 304-324. ISSN 0024-6107.

Citácie:

1. [1.1] POURGHOLAMHOSSEIN, M. - RANJBAR, M. A. On the topological mass lattice groups. In POSITIVITY. ISSN 1385-1292, 2019, vol. 23, no. 4, pp. 811-827., Registrované v: WOS

ADCA112 GHISELLI RICCI, R. - MESIAR, R. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Lipschitz Triangular Subnorms. In Fuzzy Sets and Systems, 2014, vol. 240, s. 51-65. (2013: 1.880 - IF, Q1 - JCR, 1.439 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2013.09.007

Citácie:

1. [1.2] LI, Gang - LI, Zhenbo - LIU, Hua Wen. Some Results on Conditionally Subcancellative Triangular Subnorms. In Advances in Intelligent Systems and Computing. ISSN 21945357, 2019-01-01, 872, p. 191-197., Registrované v: SCOPUS

ADCA113 GRABNER, P.J. - STRAUCH, Oto - TICHY, R.F. L-p-discrepancy and statistical independence of sequences. In Czechoslovak Mathematical Journal, 1999, vol. 49, s. 97-110. ISSN 0011-4642.

Citácie:

1. [2.2] PASTEKA, Milan. On Partitions and Periodic Sequences. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-08-01, 73, 1, pp. 9-18., Registrované v: SCOPUS

ADCA114 GREECHIE, R. - FOULIS, D. - PULMANNOVÁ, Sylvia. The center of an effect algebra. In Order, 1995, vol. 12, no. 1, p. 91-106. ISSN 0167-8094.

Citácie:

1. [1.1] JI, Wei - XIE, Hai. Hyper-commutators in effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, p. 5967-5973., Registrované v: WOS

ADCA115 GRENDÁR, Marián - JUDGE, George G. Asymptotic equivalence of empirical likelihood and Bayesian MAP. In Annals of Statistics, 2009, vol. 37, no. 5A, p. 2445-2457. (2008: 2.307 - IF, Q1 - JCR, 5.203 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 0090-5364. Dostupné na: https://doi.org/10.1214/08-AOS645

Citácie:

1. [1.1] DROVANDI, Christopher C. - GRAZIAN, Clara - MENGERSEN, Kerrie - ROBERT, Christian. Approximating the Likelihood in ABC. In HANDBOOK OF APPROXIMATE BAYESIAN COMPUTATION, 2019, pp. 321-368., Registrované v: WOS

2. [1.1] FLORENS, Jean-Pierre - SIMONI, Anna. Gaussian Processes and Bayesian Moment Estimation. In JOURNAL OF BUSINESS & ECONOMIC STATISTICS. ISSN 0735-0015, 2019., Registrované v: WOS

3. [1.1] GRAZIAN, Clara - FAN, Yanan. A review of approximate Bayesian computation methods via density estimation: Inference for simulator-models. In WILEY INTERDISCIPLINARY REVIEWS-COMPUTATIONAL STATISTICS. ISSN 1939-0068, 2019., Registrované v: WOS

4. [3.1] GHOSH, Subhro – CHAUDHURI, Sanjay. Empirical Likelihood Under Mis-specification: Degeneracies and Random Critical Points. In arXiv:1910.01396 [math.ST], 2019.

ADCA116 GUTA, Madalin - JENČOVÁ, Anna. Local Asymptotic Normality in Quantum Statistics. In Communications in Mathematical Physics, 2007, vol. 276, no. 2, p. 341-379. (2006: 2.077 - IF, Q1 - JCR, 1.430 - SJR, Q1 - SJR). ISSN 0010-3616.

Citácie:

1. [1.1] RUBIO, Jesus - DUNNINGHAM, Jacob. Quantum metrology in the presence of limited data. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, art. no. 43037., Registrované v: WOS

ADCA117 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef* - TORRA, Vincenç. A note on some algebraic properties of discrete Sugeno integrals. In Fuzzy Sets and Systems, 2019, vol. 355, p. 110-120. (2018: 2.907 - IF, Q1 - JCR, 1.347 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2018.01.009

Citácie:
1. [1.1] DUBOIS, Didier - FARGIER, Helene - RICO, Agnes. Commuting Double Sugeno Integrals. In INTERNATIONAL JOURNAL OF UNCERTAINTY FUZZINESS AND KNOWLEDGE-BASED SYSTEMS. ISSN 0218-4885, 2019, vol. 27, p. 1-38., Registrované v: WOS

ADCA118 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef*. On generation of aggregation functions on infinite lattices. In Soft Computing, 2019, vol. 23, p. 7279-7286. (2018: 2.784 - IF, Q2 - JCR, 0.617 - SJR, Q2 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-018-3375-7

Citácie:
1. [1.1] KHAMENEH, Azadeh Zahedi - KILICMAN, Adem. A fuzzy majority-based construction method for composed aggregation functions by using combination operator. In INFORMATION SCIENCES. ISSN 0020-0255, 2019, vol. 505, p. 367-387., Registrované v: WOS

ADCA119 HALAŠ, Radomír** - KURAČ, Zbyněk - MESIAR, Radko - PÓCS, Jozef. Binary generating set of the clone of idempotent aggregation functions on bounded lattices. In Information Sciences, 2018, vol. 462, p. 367-373. (2017: 4.305 - IF, Q1 - JCR, 1.635 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2018.06.038

Citácie:
1. [1.1] KHAMENEH, Azadeh Zahedi - KILICMAN, Adem. A fuzzy majority-based construction method for composed aggregation functions by using combination operator. In INFORMATION SCIENCES. ISSN 0020-0255, 2019, vol. 505, p. 367-387., Registrované v: WOS

ADCA120 HALAŠ, Radomír - PÓCS, Jozef. On lattices with a smallest set of aggregation functions. In Information Sciences, 2015, vol. 325, p. 316-323. (2014: 4.038 - IF, Q1 - JCR, 2.226 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2015.07.031

Citácie:
1. [3.1] JI, W. The Algebraic-Function Congruences on Distributive Lattices. In Journal of Advances in Mathematics and Computer Science. Vol. 32, no. 1, 2019, p. 1-7.

ADCA121 HALAŠ, Radomír - PÓCS, Jozef. On the clone of aggregation functions on bounded lattices. In Information Sciences, 2016, vol. 329, p. 381-389. (2015: 3.364 - IF, Q1 - JCR, 1.960 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2015.09.038

Citácie:
1. [1.1] KURAC, Zbynek. Transfer-stable means on finite chains. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 372, p. 111-123., Registrované v: WOS
2. [1.1] YETTOU, Mourad - AMROUNE, Abdelaziz - ZEDAM, Lemnaouar. A BINARY OPERATION-BASED REPRESENTATION OF A LATTICE. In KYBERNETIKA. ISSN 0023-5954, 2019, vol. 55, no. 2, p. 252-272., Registrované v: WOS
3. [3.1] JI, W. The Algebraic-Function Congruences on Distributive Lattices. In Journal of Advances in Mathematics and Computer Science. Vol. 32, no. 1, 2019, p. 1-7.

ADCA122 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. A new characterization of the discrete Sugeno integral. In Information Fusion, 2016, vol. 29, p. 84-86. (2015: 4.353 - IF, Q1 - JCR, 1.586 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1566-2535. Dostupné na: https://doi.org/10.1016/j.inffus.2015.08.008

Citácie:

1. [1.1] YAN, Tingsu - OUYANG, Yao. Chebyshev inequality for q-integrals. In INTERNATIONAL JOURNAL OF APPROXIMATE REASONING. ISSN 0888-613X, 2019, vol. 106, p. 146-154., Registrované v: WOS

2. [1.2] HAN, Lu - SU, Zhi - LI, Aihua. Clustering of credit users under Sugeno measure. In Xitong Gongcheng Lilun yu Shijian/System Engineering Theory and Practice. ISSN 10006788, 2019-11-01, 39, 11, p. 2750-2759., Registrované v: SCOPUS

ADCA123 HALAŠ, Radomír - MESIAR, Radko - PÓCS, Jozef. Congruences and the discrete Sugeno integrals on bounded distributive lattices. In Information Sciences, 2016, vol. 367-368, p. 443-448. (2015: 3.364 - IF, Q1 - JCR, 1.960 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2016.06.017

Citácie:

1. [1.1] BRABANT, Quentin - COUCEIRO, Miguel - FIGUEIRA, Jose Rui. Interpolation by lattice polynomial functions: A polynomial time algorithm. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 368, p. 101-118., Registrované v: WOS

2. [1.2] HAN, Lu - SU, Zhi - LI, Aihua. Clustering of credit users under Sugeno measure. In Xitong Gongcheng Lilun yu Shijian/System Engineering Theory and Practice. ISSN 10006788, 2019-11-01, 39, 11, p. 2750-2759., Registrované v: SCOPUS

3. [3.1] JI, W. The Algebraic-Function Congruences on Distributive Lattices. In Journal of Advances in Mathematics and Computer Science. Vol. 32, no. 1, 2019, p. 1-7.

ADCA124 HEINONEN, T. - LAHTI, P. - PELONPAA, J.P. - PULMANNOVÁ, Sylvia. The norm-1-property of a quantum observable. In Journal of Mathematical Physics, 2003, vol. 44, no. 5, p. 1998-2008. ISSN 0022-2488.

Citácie:

1. [1.1] BENEDUCI, Roberto - SCHROECK, Franklin. Space Localization of the Photon. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 561-576., Registrované v: WOS

ADCA125 HOLÁ, Ľubica - NOVOTNÝ, Branislav. Topology of uniform convergence and m-topology on C (X). In Mediterranean Journal of Mathematics, 2017, vol. 14, no. 2, art. no. 70. (2016: 0.868 - IF, Q2 - JCR, 0.655 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1660-5446. Dostupné na: https://doi.org/10.1007/s00009-017-0861-6

Citácie:

1. [1.1] JINDAL, A. - JINDAL, V. The regular topology on C(X, Y). In ACTA MATHEMATICA HUNGARICA. ISSN 0236-5294, 2019, vol. 158, no. 1, pp. 1-16., Registrované v: WOS

ADCA126 HOLÁ, Ľubica - HOLÝ, Dušan. Pointwise convergence of quasicontinuous mappings and Baire spaces. In Rocky Mountain Journal of Mathematics, 2011, vol. 41, p. 1883-1894. (2010: 0.443 - IF, Q3 - JCR, 0.622 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0035-7596. Dostupné na: https://doi.org/10.1216/RMJ-2011-41-6-1883

Citácie:

1. [1.1] BORSIK, Jan. Points of uniform convergence and quasicontinuity. In EUROPEAN JOURNAL OF MATHEMATICS. ISSN 2199-675X, 2019, vol. 5, no. 1, pp. 174-185., Registrované v: WOS

2. [1.1] KWIECINSKA, Grazyna. A note on strong quasi-continuity of multifunctions. In EUROPEAN JOURNAL OF MATHEMATICS. ISSN 2199-675X, 2019, vol. 5, no. 1, pp. 186-193., Registrované v: WOS

ADCA127 HORANSKÁ, Ľ. - KORBAŠ, Július. On cup products in some manifolds. In Bulletin of the Belgian Mathematical Society-Simon Stevin, 2000, vol. 7, s. 21-28. ISSN 1370-1444.

Citácie:

1. [1.1] BALKO, L. - LORINC, J. ON THE CUP-LENGTH OF CERTAIN CLASSES OF FLAG MANIFOLDS. In ACTA MATHEMATICA HUNGARICA. ISSN 0236-5294, 2019, vol. 159, no. 2, pp. 638-652., Registrované v: WOS

2. [1.1] MESCHER, Stephan. Oriented robot motion planning in Riemannian manifolds. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 258, no., pp. 1-20., Registrované v: WOS

ADCA128 HUCK, A. - KOCHOL, Martin. Five cycle double covers of some cubic graphs. In Journal of Combinatorial Theory, Series B, 1995, vol. 64, p. 119-125. ISSN 0095-8956.

Citácie:

1. [1.1] ALLIE, I. Oddness to resistance ratios in cubic graphs. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 2, p. 387-392., Registrované v: WOS

2. [1.1] GOEDGEBEUR, Jan - MACAJOVA, Edita - SKOVIERA, Martin. Smallest snarks with oddness 4 and cyclic connectivity 4 have order 44. In ARS MATHEMATICA CONTEMPORANEA. ISSN 1855-3966, 2019, vol. 16, no. 2, p. 277-298., Registrované v: WOS

3. [1.1] SUN, Wuyang - WANG, Fan. Perfect matching covers of cubic graphs of oddness 2. In ELECTRONIC JOURNAL OF COMBINATORICS. ISSN 1077-8926, 2019, vol. 26, no. 1., Registrované v: WOS

ADCA129 HUDSON, R. L. - PARTHASARATHY, K. R. - PULMANNOVÁ, Sylvia. Method of formal power series in quantum stochastic calculus. In Infinite Dimensional Analysis, Quantum Probability and related Topics, 2000, vol. 3, no. 3, p. 387-401. ISSN 0219-0257.

Citácie:

1. [1.1] JORGENSEN, Palle - TIAN, Feng. DYNAMICAL PROPERTIES OF ENDOMORPHISMS, MULTIRESOLUTIONS, SIMILARITY AND ORTHOGONALITY RELATIONS. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES S. ISSN 1937-1632, 2019, vol. 12, no. 8, pp. 2307-2348., Registrované v: WOS

ADCA130 JENČA, G. - PULMANNOVÁ, Sylvia. Orthocomplete effect algebras. In Proceedings of the American Mathematical Society, 2003, vol. 131, p. 2663-2671. ISSN 0002-9939.

Citácie:
1. [1.1] JI, Wei - XIE, Hai. Hyper-commutators in effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, p. 5967-5973., Registrované v: WOS
2. [1.1] JI, Wei. Hyper-operations in effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 13, p. 4585-4592., Registrované v: WOS

ADCA131 JENČOVÁ, Anna. Geometry of quantum states: Dual connections and divergence functions. In Reports on Mathematical Physics, 2001, s. 121-138. ISSN 0034-4877. Dostupné na: https://doi.org/10.1016/S0034-4877(01)90008-4

Citácie:
1. [1.1] FELICE, Domenico - AY, Nihat. Canonical Divergence for Flat alpha-Connections: Classical and Quantum. In ENTROPY, 2019, vol. 21, no. 9, art.nr. 831., Registrované v: WOS
2. [1.1] NAUDTS, Jan. Quantum Statistical Manifolds: The Finite-Dimensional Case. In GEOMETRIC SCIENCE OF INFORMATION. ISSN 0302-9743, 2019, vol. 11712, no., pp. 631-637., Registrované v: WOS

ADCA132 JENČOVÁ, Anna. Quantum information geometry and standard purification. In Journal of Mathematical Physics, 2002, vol. 43, no. 5, p. 2187-2201. ISSN 0022-2488. Dostupné na: https://doi.org/10.1063/1.1467966

Citácie:
1. [1.1] FELICE, Domenico - AY, Nihat. Canonical Divergence for Flat alpha-Connections: Classical and Quantum. In ENTROPY, 2019, vol. 21, no. 9, art.nr. 831., Registrované v: WOS

ADCA133 JENČOVÁ, Anna. Flat connections and Wigner-Yanase-Dyson metrics. In Reports on Mathematical Physics, 2003, vol. 52, s. 331-351. ISSN 0034-4877.

Citácie:
1. [1.1] FELICE, Domenico - AY, Nihat. Canonical Divergence for Flat alpha-Connections: Classical and Quantum. In ENTROPY, 2019, vol. 21, no. 9, art.nr. 831., Registrované v: WOS

ADCA134 JENČOVÁ, Anna. Geodesic distances on density matrices. In Journal of Mathematical Physics, 2004, vol. 45, s. 1787-1794. ISSN 0022-2488. Dostupné na: https://doi.org/10.1063/1.1689000

Citácie:
1. [1.1] BHATIA, Rajendra - GAUBERT, Stephane - JAIN, Tanvi. Matrix versions of the Hellinger distance. In LETTERS IN MATHEMATICAL PHYSICS. ISSN 0377-9017, 2019, vol. 109, no. 8, pp. 1777-1804., Registrované v: WOS
2. [1.1] BHATIA, Rajendra - JAIN, Tanvi - LIM, Yongdo. On the Bures-Wasserstein distance between positive definite matrices. In EXPOSITIONES MATHEMATICAE. ISSN 0723-0869, 2019, vol. 37, no. 2, pp. 165-191., Registrované v: WOS
3. [1.1] GAAL, Marcell. Maps between positive cones of operator algebras preserving a measure of the difference between arithmetic and geometric means. In POSITIVITY. ISSN 1385-1292, 2019, vol. 23, no. 2, pp. 461-467., Registrované v: WOS
4. [1.1] GAAL, Marcell. Maps on Quantum States in C-algebras Preserving von Neumann Entropy or Schatten p-norm of Convex Combinations. In CANADIAN MATHEMATICAL BULLETIN-BULLETIN CANADIEN DE MATHEMATIQUES. ISSN 0008-4395, 2019, vol. 62, no. 1, pp. 75-80., Registrované v: WOS*

ADCA135 JENČOVÁ, Anna. Preservation of a quantum Rényi relative entropy implies existence of a recovery map. In Journal of Physics A: Mathematical and Theoretical, 2017, vol. 50, no. 8, art. no. 085303. (2016: 1.865 - IF, Q1 - JCR, 0.935 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1751-8113. Dostupné na: https://doi.org/10.1088/1751-8121/aa5661

Citácie:

1. [1.2] TIWARI, Bhupendra Nath - KALRA, Prem K. A fluctuation theory of communications. In Quantum Studies: Mathematics and Foundations. ISSN 21965609, 2019-12-01, 6, 4, p. 519-535., Registrované v: SCOPUS

ADCA136 JENČOVÁ, Anna - PLÁVALA, Martin. Conditions on the existence of maximally incompatible two-outcome measurements in general probabilistic theory. In Physical Review A, 2017, vol. 96, no. 2, art. no. 022113, p. [1-7]. (2016: 2.925 - IF, Q1 - JCR, 1.482 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1050-2947. Dostupné na: https://doi.org/10.1103/PhysRevA.96.022113

Citácie:

1. [1.1] CARMELI, Claudio - CASSINELLI, Gianni - TOIGO, Alessandro. Constructing Extremal Compatible Quantum Observables by Means of Two Mutually Unbiased Bases. In FOUNDATIONS OF PHYSICS. ISSN 0015-9018, 2019, vol. 49, no. 6, pp. 532-548., Registrované v: WOS

2. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jedrzej. Incompatibility robustness of quantum measurements: a unified framework. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, art. no. 113053., Registrované v: WOS

ADCA137 JENČOVÁ, Anna - JENČA, G. On monoids in the category of sets and relations. In International Journal of Theoretical Physics, 2017, vol. 56, no. 12, p. 3757-3769. (2016: 0.964 - IF, Q3 - JCR, 0.297 - SJR, Q3 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0020-7748. Dostupné na: https://doi.org/10.1007/s10773-017-3304-z

Citácie:

1. [1.1] LEMAY, Jean-Simon Pacaud. LIFTING COALGEBRA MODALITIES AND MELL MODEL STRUCTURE TO EILENBERG-MOORE CATEGORIES. In LOGICAL METHODS IN COMPUTER SCIENCE. ISSN 1860-5974, 2019, vol. 15, no. 4, 8:1-8:50., Registrované v: WOS

ADCA138 JENČOVÁ, Anna. Rényi relative entropies and noncommutative Lp-spaces. In Annales Henri Poincare, 2018, vol. 19, no. 8, p. 2513-2542. (2017: 1.740 - IF, Q2 - JCR, 1.097 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1424-0637. Dostupné na: https://doi.org/10.1007/s00023-018-0683-5

Citácie:

1. [1.1] HIAI, Fumio. Quantum f-divergences in von Neumann algebras. II. Maximal f-divergences. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 1, art. no. 12203., Registrované v: WOS

2. [1.1] LASHKARI, Nima. Constraining quantum fields using modular theory. In JOURNAL OF HIGH ENERGY PHYSICS. ISSN 1029-8479, 2019, vol., no. 1, art. no. 59., Registrované v: WOS

ADCA139 JENČOVÁ, Anna. Incompatible measurements in a class of general probabilistic theories. In Physical Review A, 2018, vol. 98, no. 1, art. no. 012133. (2017: 2.909 - IF, Q1 - JCR, 1.288 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1050-2947. Dostupné na: https://doi.org/10.1103/PhysRevA.98.012133

Citácie:
1. [1.1] CARMELI, Claudio - HEINOSAARI, Teiko - MIYADERA, Takayuki - TOIGO, Alessandro. Witnessing incompatibility of quantum channels. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 12, art. no. 122202., Registrované v: WOS
2. [1.1] CARMELI, Claudio - HEINOSAARI, Teiko - TOIGO, Alessandro. Quantum Incompatibility Witnesses. In PHYSICAL REVIEW LETTERS. ISSN 0031-9007, 2019, vol. 122, no. 13, art. no. 130402., Registrované v: WOS
3. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jedrzej. Incompatibility robustness of quantum measurements: a unified framework. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, art. no. 113053., Registrované v: WOS
4. [1.1] WU, Zhaoqi - FEI, Shao-Ming - LI-JOST, Xianqing - ZHANG, Lin. Information Transfer in Generalized Probabilistic Theories Based on Weak Repeatability. In INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS. ISSN 0020-7748, 2019, vol. 58, no. 11, pp. 3632-3639., Registrované v: WOS

ADCA140 JENČOVÁ, Anna - PLÁVALA, Martin. Conditions for optimal input states for discrimination of quantum channels. In Journal of Mathematical Physics, 2016, vol. 57, no. 12, art. no. 122203, p. [1-20]. (2015: 1.234 - IF, Q2 - JCR, 0.792 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0022-2488. Dostupné na: https://doi.org/10.1063/1.4972286

Citácie:
1. [1.1] QIU, Peng-Hui - CHEN, Xiao-Guang - SHI, Yi-Wei. Solving Quantum Channel Discrimination Problem with Quantum Networks and Quantum neural Networks. In IEEE ACCESS. ISSN 2169-3536, 2019, vol. 7, p. 50214-50222., Registrované v: WOS

ADCA141 JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. Effect algebras with state operator. In Fuzzy Sets and Systems, 2015, vol. 260, s. 43-61. (2014: 1.986 - IF, Q1 - JCR, 1.369 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2014.06.002

Citácie:
1. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS
2. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADCA142 JENČOVÁ, Anna. Base norms and discrimination of generalized quantum channels. In Journal of Mathematical Physics, 2014, vol. 55, no. 2, p. 1-17. (2013: 1.176 - IF, Q3 - JCR, 0.783 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0022-2488. Dostupné na: https://doi.org/10.1063/1.4863715

Citácie:
1. [1.1] GOUR, Gilad. Comparison of Quantum Channels by Superchannels. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2019, vol. 65, no. 9, pp. 5880-5904., Registrované v: WOS
2. [1.1] TAKAGI, Ryuji - REGULA, Bartosz. General Resource Theories in Quantum Mechanics and Beyond: Operational Characterization via Discrimination Tasks. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 3, art. no. 31053., Registrované v: WOS

ADCA143 JENČOVÁ, Anna. On the convex structure of process positive operator valued measures. In Journal of Mathematical Physics, 2016, vol. 57, no. 1, art. no. 015207. (2015: 1.234 - IF, Q2 - JCR, 0.792 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0022-2488. Dostupné na: https://doi.org/10.1063/1.4935072

Citácie:

1. [1.1] MAGAJNA, Bojan. Operator systems and C-extreme points. In STUDIA MATHEMATICA. ISSN 0039-3223, 2019, vol. 247, no. 1, pp. 45-62., Registrované v: WOS*

ADCA144 JENČOVÁ, Anna - PULMANNOVÁ, Sylvia - VINCEKOVÁ, Elena. Observables on sigma-MV algebras and sigma-lattice effect algebras. In Kybernetika, 2011, vol. 47, p. 541-559. (2010: 0.461 - IF, Q4 - JCR, 0.309 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0023-5954.

Citácie:

1. [1.1] DI NOLA, Antonio - DVURECENSKIJ, Anatolij - LENZI, Giacomo. Observables on perfect MV-algebras. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 369, no., pp. 57-81., Registrované v: WOS

ADCA145 JENČOVÁ, Anna - RUSKAI, M.B. A unified treatment of convexity of relative entropy and related trace functions, with conditions for equality. In Reviews in Mathematical Physics, 2010, vol. 22, no. 9, p. 1099-1121. (2009: 1.190 - IF, Q3 - JCR, 0.998 - SJR, Q2 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0129-055X. Dostupné na: https://doi.org/10.1142/S0129055X10004144

Citácie:

1. [1.1] BHATIA, Rajendra - GAUBERT, Stephane - JAIN, Tanvi. Matrix versions of the Hellinger distance. In LETTERS IN MATHEMATICAL PHYSICS. ISSN 0377-9017, 2019, vol. 109, no. 8, pp. 1777-1804., Registrované v: WOS

2. [1.1] LI, Weijing. Geometric measures of discordlike quantum correlations based on Tsallis relative entropy. In INTERNATIONAL JOURNAL OF QUANTUM INFORMATION. ISSN 0219-7499, 2019, vol. 17, no. 4, art. no. 1950034., Registrované v: WOS

3. [1.1] LI, Weijing. Monotonicity of skew information and its applications in quantum resource theory. In QUANTUM INFORMATION PROCESSING. ISSN 1570-0755, 2019, vol. 18, no. 6, art. no. 166., Registrované v: WOS

4. [1.1] VERSHYNINA, Anna. On quantum quasi-relative entropy. In REVIEWS IN MATHEMATICAL PHYSICS. ISSN 0129-055X, 2019, vol. 31, no. 7, art. no. 1950022., Registrované v: WOS

5. [1.1] VERSHYNINA, Anna. Upper continuity bound on the quantum quasi-relative entropy. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 10, art. no. 102201., Registrované v: WOS

ADCA146 JENČOVÁ, Anna - PULMANNOVÁ, Sylvia. Characterizations of commutative POV measures. In Foundations of Physics, 2009, vol. 39, s. 613-624. (2008: 0.829 - IF, Q3 - JCR, 0.557 - SJR, Q2 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 0015-9018.

Citácie:

1. [1.2] BENEDUCI, Roberto. Universal Randomization of Quantum Observables. In International Journal of Theoretical Physics. ISSN 00207748, 2019-01-01., Registrované v: SCOPUS

ADCA147 JENČOVÁ, Anna. Generalized channels: Channels for convex subsets of the state space. In Journal of Mathematical Physics, 2012, vol. 53, art. no. 012201. (2011: 1.291 - IF, Q2 - JCR, 0.788 - SJR, Q2 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0022-2488. Dostupné na: https://doi.org/10.1063/1.3676294

Citácie:

1. [1.1] BISIO, Alessandro - PERINOTTI, Paolo. Theoretical framework for higher-order quantum theory. In PROCEEDINGS OF THE ROYAL SOCIETY A-MATHEMATICAL PHYSICAL AND ENGINEERING SCIENCES. ISSN 1364-5021, 2019, vol. 475, no. 2225, art. no. 20180706., Registrované v: WOS

2. [1.1] CARMELI, Claudio - HEINOSAARI, Teiko - MIYADERA, Takayuki - TOIGO, Alessandro. Witnessing incompatibility of quantum channels. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 12, art. no. 122202., Registrované v: WOS

3. [1.1] GOUR, Gilad. Comparison of Quantum Channels by Superchannels. In IEEE TRANSACTIONS ON INFORMATION THEORY. ISSN 0018-9448, 2019, vol. 65, no. 9, pp. 5880-5904., Registrované v: WOS

4. [1.2] CHRUŚCIŃSKI, Dariusz - RIVAS, Ángel - CHAKRABORTY, Sagnik. Information flow versus divisibility for non-invertible dynamical maps. In Springer Proceedings in Physics. ISSN 09308989, 2019-01-01, 237, p. 15-28., Registrované v: SCOPUS

ADCA148 JENČOVÁ, Anna. Comparison of quantum binary experiments. In Reports on Mathematical Physics, 2012, vol. 70, p. 237-249. (2011: 0.643 - IF, Q4 - JCR, 0.347 - SJR, Q3 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0034-4877. Dostupné na: https://doi.org/10.1016/S0034-4877(12)60043-3

Citácie:

1. [1.1] BUSCEMI, Francesco - SUTTER, David - TOMAMICHEL, Marco. An information-theoretic treatment of quantum dichotomies. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS

ADCA149 JENČOVÁ, Anna - PETZ, D. Sufficiency in quantum statistical inference. In Communications in Mathematical Physics, 2006, vol. 263, p. 259-276. (2005: 2.007 - IF, Q1 - JCR, 1.563 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents). ISSN 0010-3616.

Citácie:

1. [1.1] ACHARYA, Anirudh - KYPRAIOS, Theodore - GUTA, Madalin. A comparative study of estimation methods in quantum tomography. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 23, art. no. 234001., Registrované v: WOS

2. [1.1] HIAI, Fumio. Quantum f-divergences in von Neumann algebras. II. Maximal f-divergences. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 1, art. no. 12203., Registrované v: WOS

ADCA150 JIRÁSEK, J. - JIRÁSKOVÁ, Galina - SZABARI, A. Deterministic blow-ups of minimal nondeterministic finite automata over a fixed alphabet. In International Journal of Foundations of Computer Science, 2008, vol. 19, s. 617-632. ISSN 0129-0541.

Citácie:

1. [1.1] DASSOW, Juergen. Operational Accepting State Complexity: The Unary and Finite Case. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 959-978., Registrované v: WOS

2. [1.2] HOLZER, Markus - HOSPODÁR, Michal. The Range of State Complexities of Languages Resulting from the Cut Operation. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11417 LNCS, p. 190-202., Registrované v: SCOPUS

ADCA151 JIRÁSEK, J. - JIRÁSKOVÁ, Galina - SZABARI, A. State complexity of concatenation and complementation. In International Journal of Foundations of Computer Science, 2005, vol. 16, no. 3, p. 511-529. ISSN 0129-0541.

Citácie:

1. [1.1] CARON, Pascal - LUQUE, JeanGabriel - PATROU, Bruno. State complexity of combined operations involving catenation and binary Boolean operations: Beyond the Brzozowski conjectures. In THEORETICAL COMPUTER SCIENCE. ISSN 0304-3975, 2019, vol. 800, p. 15-30., Registrované v: WOS

2. [1.2] CARON, Pascal - HAMEL-DE-LE-COURT, Edwin - LUQUE, Jean Gabriel. Algebraic and combinatorial tools for state complexity: Application to the Star-XOR problem. In Electronic Proceedings in Theoretical Computer Science, EPTCS. ISSN 20752180, 2019-09-18, 305, p. 154-168., Registrované v: SCOPUS

ADCA152 JIRÁSKOVÁ, Galina - OKHOTIN, A. State complexity of cyclic shift. In RAIRO Theoretical Informatics and Applications, 2008, vol. 42, no. 2, p. 335-360. ISSN 0988-3754.

Citácie:

1. [1.2] CARON, Pascal - HAMEL-DE-LE-COURT, Edwin - LUQUE, Jean Gabriel. Algebraic and combinatorial tools for state complexity: Application to the Star-XOR problem. In Electronic Proceedings in Theoretical Computer Science, EPTCS. ISSN 20752180, 2019-09-18, 305, p. 154-168., Registrované v: SCOPUS

2. [1.2] GABRIC, Daniel - HOLUB, Štěpán - SHALLIT, Jeffrey. Generalized de Bruijn Words and the State Complexity of Conjugate Sets. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11612 LNCS, p. 137-146., Registrované v: SCOPUS

ADCA153 JIRÁSKOVÁ, Galina. State complexity of some operations on binary regular languages. In Theoretical Computer Science, 2005, vol. 330, no. 2, p. 287-298. ISSN 0304-3975.

Citácie:

1. [1.1] PETERFREUND, Liat - FREYDENBERGER, Dominik D. - KIMELFELD, Benny - KROELL, Markus. Complexity Bounds for Relational Algebra over Document Spanners. In PROCEEDINGS OF THE 38TH ACM SIGMOD-SIGACT-SIGAI SYMPOSIUM ON PRINCIPLES OF DATABASE SYSTEMS (PODS ';19), 2019, p. 320-334., Registrované v: WOS

2. [1.2] CARON, Pascal - HAMEL-DE-LE-COURT, Edwin - LUQUE, Jean Gabriel. Algebraic and combinatorial tools for state complexity: Application to the Star-XOR problem. In Electronic Proceedings in Theoretical Computer Science, EPTCS. ISSN 20752180, 2019-09-18, 305, p. 154-168., Registrované v: SCOPUS

3. [1.2] DAVIES, Sylvie - HOSPODÁR, Michal. Square, Power, Positive Closure, and Complementation on Star-Free Languages. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11612 LNCS, p. 98-110., Registrované v: SCOPUS

4. [1.2] HOSPODÁR, Michal. Descriptional Complexity of Power and Positive Closure on Convex Languages. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11601 LNCS, p. 158-170., Registrované v: SCOPUS

ADCA154 JIRÁSKOVÁ, Galina. Concatenation of regular languages and descriptional complexity. In Theory of Computing Systems, 2011, vol. 49, s. 306-318. (2010: 0.600 - IF, Q2 - JCR, 0.699 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1432-4350. Dostupné na: https://doi.org/10.1007/978-3-642-03351-3_20

Citácie:

1. [1.2] HOLZER, Markus - HOSPODÁR, Michal. The Range of State Complexities of Languages Resulting from the Cut Operation. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11417 LNCS, p. 190-202., Registrované v: SCOPUS

ADCA155 JIRÁSKOVÁ, Galina. Magic numbers and ternary alphabet. In International Journal of Fundations of Computer Science, 2011, vol. 22, no. 2, p. 331-344. (2010: 0.459 - IF, Q4 - JCR, 0.363 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0129-0541. Dostupné na: https://doi.org/10.1142/S0129054111008076

Citácie:

1. [1.1] DASSOW, Juergen. Operational Accepting State Complexity: The Unary and Finite Case. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 959-978., Registrované v: WOS

2. [1.2] HOLZER, Markus - HOSPODÁR, Michal. The Range of State Complexities of Languages Resulting from the Cut Operation. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11417 LNCS, p. 190-202., Registrované v: SCOPUS

ADCA156 JIRÁSKOVÁ, Galina - OKHOTIN, A. On the state complexity of star of union and star of intersection. In Fundamenta Informaticae, 2011, vol. 109, no. 2, p. 161-178. (2010: 0.522 - IF, Q3 - JCR, 0.403 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0169-2968. Dostupné na: https://doi.org/10.3233/FI-2011-502

Citácie:

1. [1.1] CARON, Pascal - LUQUE, JeanGabriel - PATROU, Bruno. State complexity of combined operations involving catenation and binary Boolean operations: Beyond the Brzozowski conjectures. In THEORETICAL COMPUTER SCIENCE. ISSN 0304-3975, 2019, vol. 800, p. 15-30., Registrované v: WOS

2. [1.2] CARON, Pascal - HAMEL-DE-LE-COURT, Edwin - LUQUE, Jean Gabriel. Algebraic and combinatorial tools for state complexity: Application to the Star-XOR problem. In Electronic Proceedings in Theoretical Computer Science, EPTCS. ISSN 20752180, 2019-09-18, 305, p. 154-168., Registrované v: SCOPUS

ADCA157 JIRÁSKOVÁ, Galina - PIGHIZZINI, G. Optimal simulation of self-verifying automata by deterministic automata. In Information and Computation, 2011, vol. 209, no. 3, p. 528-535. (2010: 0.825 - IF, Q2 - JCR, 0.908 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0890-5401. Dostupné na: https://doi.org/10.1016/j.ic.2010.11.017

Citácie:
1. [1.2] KUTRIB, Martin - WORSCH, Thomas. Iterative arrays with self-verifying communication cell. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11525 LNCS, p. 77-90., Registrované v: SCOPUS

ADCA158 JIRÁSKOVÁ, Galina - ŠEBEJ, J. Reversal of binary regular languages. In Theoretical Computer Science, 2012, vol. 449, p. 85-92. (2011: 0.665 - IF, Q3 - JCR, 0.747 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0304-3975. Dostupné na: https://doi.org/10.1016/j.tcs.2012.05.008

Citácie:
1. [1.1] BRZOZOWSKI, Janusz A. - DAVIES, Sylvie. Most Complex Non-Returning Regular Languages. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 921-957., Registrované v: WOS

ADCA159 JIRÁSKOVÁ, Galina - MASOPUST, T. Complexity in union-free regular languages. In International Journal of Fundations of Computer Science, 2011, vol. 22, no. 7, p. 1639-1653. (2010: 0.459 - IF, Q4 - JCR, 0.363 - SJR, Q2 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0129-0541. Dostupné na: https://doi.org/10.1142/S0129054111008933

Citácie:
1. [1.2] NAGY, Benedek. Union-Freeness, Deterministic Union-Freeness and Union-Complexity. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11612 LNCS, p. 46-56., Registrované v: SCOPUS

ADCA160 JONES, G. - NEDELA, Roman - ŠKOVIERA, M. Complete bipartite graphs with a unique regular embedding. In Journal of Combinatorial Theory, Series B, 2008, vol. 98, s. 241-248. (2007: 1.017 - IF, Q1 - JCR, 2.393 - SJR, Q1 - SJR). ISSN 0095-8956.

Citácie:
1. [1.1] KWAK, Jin Ho - KWON, Young Soo. Classification of some reflexible edge-transitive embeddings of complete bipartite graphs. In ARS MATHEMATICA CONTEMPORANEA. ISSN 1855-3966, 2019, vol. 16, no. 2, p. 563-583., Registrované v: WOS

ADCA161 KARABÁŠ, Ján - NEDELA, Roman. Archimedean maps of higher genera. In Mathematics of Computation, 2012, vol. 81, no. 277, s. 569-583. (2011: 1.313 - IF, Q1 - JCR, 1.650 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0025-5718. Dostupné na: https://doi.org/10.1090/S0025-5718-2011-02502-0

Citácie:
1. [1.1] DATTA, Basudeb - GUPTA, Subhojoy. Semi-regular Tilings of the Hyperbolic Plane. In DISCRETE & COMPUTATIONAL GEOMETRY. ISSN 0179-5376, 2019., Registrované v: WOS

ADCA162 KOCHOL, Martin. An equivalent version of the 3-flow conjecture. In Journal of Combinatorial Theory, Series B, 2001, vol. 83, p. 258-261. ISSN 0095-8956.

Citácie:
1. [1.1] LAI, Hong-Jian - LI, Jiaao. Packing spanning trees in highly essentially connected graphs. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 1, p. 1-9., Registrované v: WOS

ADCA163 KOCHOL, Martin. Polynomials associated with nowhere-zero flows. In Journal of Combinatorial Theory, Series B, 2002, vol. 84, p. 260-269. ISSN 0095-8956.

Citácie:
1. [1.1] DEVOS, Matt - ROLLOVA, Edita - SAMAL, Robert. A note on counting flows in signed graphs. In ELECTRONIC JOURNAL OF COMBINATORICS. ISSN 1077-8926, 2019, vol. 26, no. 2., Registrované v: WOS
2. [1.1] LITJENS, Bart. On dihedral flows in embedded graphs. In JOURNAL OF GRAPH THEORY. ISSN 0364-9024, 2019, vol. 91, no. 2, p. 174-191., Registrované v: WOS
3. [1.1] REN, Xiangyu - QIAN, Jianguo. Flow polynomials of a signed graph. In ELECTRONIC JOURNAL OF COMBINATORICS. ISSN 1077-8926, 2019, vol. 26, no. 3., Registrované v: WOS

ADCA164 KOCHOL, Martin. Tension polynomials on graphs. In Journal of Graph Theory, 2002, vol. 40, no. 3, p. 137-146. ISSN 0364-9024.

Citácie:
1. [1.1] CHERNIAYSKY, Yonah. ALGEBRAIC STRUCTURES RELATED TO BALANCED FUNCTIONS ON GRAPHS: RESULTS AND OPEN PROBLEMS. In ADVANCES AND APPLICATIONS IN DISCRETE MATHEMATICS. ISSN 0974-1658, 2019, vol. 22, no. 1, p. 75-101., Registrované v: WOS

ADCA165 KOCHOL, Martin. Eficient monotone circuit for threshold functions. In Information Processing Letters, 1989, s. 121-122. ISSN 0020-0190.

Citácie:
1. [1.1] JUKNA, Stasys - LINGAS, Andrzej. Lower Bounds for DeMorgan Circuits of Bounded Negation Width. In 36TH INTERNATIONAL SYMPOSIUM ON THEORETICAL ASPECTS OF COMPUTER SCIENCE (STACS 2019), 2019, p. 1-17., Registrované v: WOS

ADCA166 KOCHOL, Martin. Snarks without small cycles. In Journal of Combinatorial Theory, Series B, 1996, vol. 67, p. 34-47. ISSN 0095-8956.

Citácie:
1. [1.1] ABREU, Marien - GOEDGEBEUR, Jan - LABBATE, Domenico - MAZZUOCCOLO, Giuseppe. Colourings of cubic graphs inducing isomorphic monochromatic subgraphs. In JOURNAL OF GRAPH THEORY. ISSN 0364-9024, 2019, vol. 92, no. 4, p. 415-444., Registrované v: WOS

ADCA167 KOCHOL, Martin. Three colorability characterized by shrinking of locally connected subgraphs into triangles. In Information Processing Letters, 2018, vol. 135, p. 33-35. (2017: 0.793 - IF, Q4 - JCR, 0.412 - SJR, Q2 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0020-0190. Dostupné na: https://doi.org/10.1016/j.ipl.2018.02.016

Citácie:
1. [1.1] DROSS, Francois - LUZAR, Borut - MACEKOVA, Maria - SOTAK, Roman. Note on 3-choosability of planar graphs with maximum degree 4. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 11, p. 3123-3129., Registrované v: WOS

ADCA168 KOCHOL, Martin. Equivalence of Fleischner´s and Thomassen´s conjectures. In Journal of Combinatorial Theory, Series B, 2000, vol. 78, s. 277-279. ISSN 0095-8956.

Citácie:
1. [1.1] FURUYA, Michitaka - YOKOTA, Maho. Forbidden Subgraphs Generating Almost All Claw-Free Graphs with High Connectivity. In IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES. ISSN 0916-8508, 2019, vol. E102A, no. 9, p. 987-993., Registrované v: WOS

ADCA169 KÖNING, R. - WIMMER, Gejza - WITKOVSKÝ, Viktor. Ellipse fitting by nonlinear constraints to demodulate quadrature homodyne interferometer signals and to determine the statistical uncertainty of the interferometric phase. In Measurement Science and Technology, 2014, vol. 25, no. 11, p. 115001. (2013: 1.352 - IF, Q2 - JCR, 0.555 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0957-0233. Dostupné na: https://doi.org/10.1088/0957-0233/25/11/115001

Citácie:

1. [1.2] BRIDGES, Angus - YACOOT, Andrew - KISSINGER, Thomas - TATAM, Ralph P. A comparison of non-linearity correction algorithms in optical interferometry. In European Society for Precision Engineering and Nanotechnology, Conference Proceedings 19th International Conference and Exhibition, EUSPEN 2019, 2019-01-01, p. 308-309., Registrované v: SCOPUS

ADCA170 KORBAŠ, Július. Vector fields on real flag manifolds. In Annals of Global Analysis and Geometry, 1985, vol. 3, s. 173-184. ISSN 0232-704X.

Citácie:

1. [1.1] NATH, Avijit - SANKARAN, Parameswaran. ON GENERALIZED DOLD MANIFOLDS. In OSAKA JOURNAL OF MATHEMATICS. ISSN 0030-6126, 2019, vol. 56, no. 1, pp. 75-90., Registrované v: WOS

2. [1.2] KHARE, S. S. Trends in bordism, g-bordism theory and fixed point set: A survey. In Mathematics Student. ISSN 00255742, 2019-01-01, 88, 1-2, pp. 67-90., Registrované v: SCOPUS

ADCA171 KORBAŠ, Július. An explicit formula for the cup-length of the rotation group. In Bulletin of the Belgian Mathematical Society, 2017, vol. 24, no. 3, p. 335-338. (2016: 0.375 - IF, Q4 - JCR, 0.369 - SJR, Q3 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1370-1444.

Citácie:

1. [1.1] MESCHER, Stephan. Oriented robot motion planning in Riemannian manifolds. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 258, p. 1-20., Registrované v: WOS

ADCA172 KORBAŠ, Július - RUSIN, Tomáš. On the cohomology of oriented Grassmann manifolds. In Homology, Homotopy and Applications, 2016, vol. 18, no. 2, p. 71-84. (2015: 0.486 - IF, Q3 - JCR, 0.464 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1532-0073. Dostupné na: https://doi.org/10.4310/HHA.2016.v18.n2.a4

Citácie:

1. [1.1] PRVULOVIC, Branislav I. - RADOVANOVIC, Marko. On the characteristic rank of vector bundles over oriented Grassmannians. In FUNDAMENTA MATHEMATICAE. ISSN 0016-2736, 2019, vol. 244, no. 2, pp. 167-190., Registrované v: WOS

ADCA173 KORBAŠ, Július. The characteristic rank and cup-length in oriented Grassmann manifolds. In Osaka Journal of Mathematics, 2015, vol. 52, no. 4, p. 1163-1172. (2014: 0.402 - IF, Q4 - JCR, 0.689 - SJR, Q2 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0030-6126.

Citácie:

1. [1.1] PRVULOVIC, Branislav I. - RADOVANOVIC, Marko. On the characteristic rank of vector bundles over oriented Grassmannians. In FUNDAMENTA MATHEMATICAE. ISSN 0016-2736, 2019, vol. 244, no. 2, pp. 167-190., Registrované v: WOS

ADCA174 KORBAŠ, Július. On parallelizability and span of the Dold manifolds. In Proceedings of the American Mathematical Society, 2013, vol. 141, no. 8, s. 2933-2939. (2012: 0.609 - IF, Q2 - JCR, 1.108 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0002-9939.

Citácie:

1. [1.1] NATH, Avijit - SANKARAN, Parameswaran. ON GENERALIZED DOLD MANIFOLDS. In OSAKA JOURNAL OF MATHEMATICS. ISSN 0030-6126, 2019, vol. 56, no. 1, pp. 75-90., Registrované v: WOS

2. [1.2] KHARE, S. S. Trends in bordism, g-bordism theory and fixed point set: A survey. In Mathematics Student. ISSN 00255742, 2019-01-01, 88, 1-2, pp. 67-90., Registrované v: SCOPUS

3. [1.2] SANKARAN, Parameswaran. The vector field problem for homogeneous spaces. In Trends in Mathematics. ISSN 22970215, 2019-01-01, pp. 223-264., Registrované v: SCOPUS

ADCA175 KOREC, Ivan. Small universal register machines. In Theoretical Computer Science, 1996, vol. 168, no. 2, p. 267-301. ISSN 0304-3975.

Citácie:

1. [1.1] PAN, Tong - XU, Jinbang - JIANG, Suxia - XU, Fei. Cell-like spiking neural P systems with evolution rules. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 14, pp. 5401-5409., Registrované v: WOS

ADCA176 KOSTYRKO, P. - MAČAJ, M. - ŠALÁT, T. - STRAUCH, Oto. On statistical limit points. In Proceedings of the American Mathematical Society, 2001, vol. 129, p. 2647-2654. ISSN 0002-9939.

Citácie:

1. [1.1] LEONETTI, Paolo. Invariance of ideal limit points. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 252, no., pp. 169-177., Registrované v: WOS

2. [1.2] LEONETTI, Paolo - MACCHERONI, Fabio. Characterizations of ideal cluster points. In Analysis (Germany). ISSN 01744747, 2019-02-01, 39, 1, pp. 19-26., Registrované v: SCOPUS

3. [2.1] GHOSAL, Sanjoy - GHOSH, Avishek. WHEN DEVIATION HAPPENS BETWEEN ROUGH STATISTICAL CONVERGENCE AND ROUGH WEIGHTED STATISTICAL CONVERGENCE. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 4, pp. 871-890., Registrované v: WOS

ADCA177 KOVÁCS, István - NEDELA, Roman. Skew-morphisms of cyclic p-groups. In Journal of group theory, 2017, vol. 20, no. 6, p. 1135-1154. (2016: 0.457 - IF, Q3 - JCR, 0.825 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1433-5883. Dostupné na: https://doi.org/10.1515/jgth-2017-0015

Citácie:

1. [1.1] DU, Shaofei - HU, Kan. Skew-morphisms of cyclic 2-groups. In JOURNAL OF GROUP THEORY. ISSN 1433-5883, 2019, vol. 22, no. 4, p. 617-635., Registrované v: WOS

ADCA178 LIU, Kui - FEČKAN, Michal - O';REGAN, D. - WANG, JinRong**. Hyers-Ulam stability and existence of solutions for differential equations with Caputo-Fabrizio fractional derivative. In Mathematics, 2019, vol. 7, no. 4, art. no. 333. (2018: 1.105 - IF, Q1 - JCR, 0.244 - SJR, Q3 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 2227-7390. Dostupné na: https://doi.org/10.3390/math7040333

Citácie:
1. [1.1] BUTT, Rabia Ilyas - ABDELJAWAD, Thabet - ALQUDAH, Manar A. - REHMAN, Mujeeb Ur. Ulam stability of Caputo q-fractional delay difference equation: q-fractional Gronwall inequality approach. In JOURNAL OF INEQUALITIES AND APPLICATIONS. ISSN 1029-242X, 2019, vol. 2019, no. 1., Registrované v: WOS
2. [1.1] REN, Teng - XIAO, Helu - ZHOU, Zhongbao - ZHANG, Xinguang - XING, Lining - WANG, Zhongwei - CUI, Yujun. The Iterative Scheme and the Convergence Analysis of Unique Solution for a Singular Fractional Differential Equation from the Eco-Economic Complex System´s Co-Evolution Process. In COMPLEXITY. ISSN 1076-2787, 2019, vol. 2019., Registrované v: WOS

ADCA179 MAES, Koen C. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Cancellativity properties for t-norms and t-subnorms. In Information Sciences, 2009, vol. 179, no. 9, p. 1221-1233. (2008: 3.095 - IF, Q1 - JCR, 1.544 - SJR, Q1 - SJR). ISSN 0020-0255.

Citácie:
1. [1.2] AŞICI, Emel - MESIAR, Radko. New constructions of triangular norms and triangular conorms on an arbitrary bounded lattice. In International Journal of General Systems. ISSN 03081079, 2019-01-01., Registrované v: SCOPUS
2. [1.2] LI, Gang - LI, Zhenbo - LIU, Hua Wen. Some Results on Conditionally Subcancellative Triangular Subnorms. In Advances in Intelligent Systems and Computing. ISSN 21945357, 2019-01-01, 872, p. 191-197., Registrované v: SCOPUS
3. [1.2] LIMA, Lucelia - ROCHA, Marcus - LIMA, Annaxsuel De - BEDREGAL, Benjamin - BUSTINCE, Humberto. On pseudo-homogeneity of t-subnorms. In IEEE International Conference on Fuzzy Systems. ISSN 10987584, 2019-06-01, 2019-June, Art. No. 8858887., Registrované v: SCOPUS

ADCA180 MAJERNÍK, Vladimír - MAJERNÍKOVÁ, Eva. Standard and entropic uncertainty relations of the finite well. In Journal of Physics A: Mathematical and Theoretical, 2002, vol. 35, no. 27, p. 5751-5761. ISSN 1751-8113. Dostupné na: https://doi.org/10.1088/0305-4470/35/27/314

Citácie:
1. [1.1] DE ARAUJO, O. R. - MARINHO, L. S. - COSTA, H. A. S. - SAMPAIO, Marcos - DA PAZ, I. G. Shannon entropy and interference in the double-slit experiment with matter waves. In MODERN PHYSICS LETTERS A. ISSN 0217-7323, 2019, vol. 34, no. 2, 1950017., Registrované v: WOS

ADCA181 MAJERNÍK, Vladimír - CHARVOT, R. - MAJERNÍKOVÁ, Eva. The momentum entropy of the infinite potential well. In Journal of Physics A, 1999, vol. 32, no. 11, p. 2207-2216. ISSN 0305-4470. Dostupné na: https://doi.org/10.1088/0305-4470/32/11/013

Citácie:
1. [1.1] SOLAIMANI, M. - DONG, Shi-Hai. Quantum information entropies of multiple quantum well systems in fractional Schrodinger equations. In INTERNATIONAL JOURNAL OF QUANTUM CHEMISTRY. ISSN 0020-7608, 2019, e26113., Registrované v: WOS

ADCA182 MARKECHOVÁ, Dagmar - RIEČAN, Beloslav. Entropy of fuzzy partitions and entropy of fuzzy dynamical systems. In Entropy, 2016, vol. 18, no. 1, p. 1-10. (2015: 1.743 - IF, Q2 - JCR, 0.551 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1099-4300. Dostupné na: https://doi.org/10.3390/e18010019

Citácie:
1. [1.1] LU, Cheng - FENG, Yun-Wen - FEI, Cheng-Wei. Weighted Regression-Based Extremum Response Surface Method for Structural Dynamic Fuzzy Reliability Analysis. In ENERGIES. ISSN 1996-1073, 2019, vol. 12, no. 9, art. no. 1588., Registrované v: WOS
2. [1.1] RAHIMI, M. - SHAKOURI, A. On Hudetz entropy localization. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 367, no., p. 96-106., Registrované v: WOS

ADCA183 MARKECHOVÁ, Dagmar - RIEČAN, Beloslav. Logical entropy of fuzzy dynamical systems. In Entropy, 2016, vol. 18, no. 4, p. 1-16. (2015: 1.743 - IF, Q2 - JCR, 0.551 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1099-4300. Dostupné na: https://doi.org/10.3390/e18040157

Citácie:
1. [1.1] LU, Cheng - FENG, Yun-Wen - FEI, Cheng-Wei. Weighted Regression-Based Extremum Response Surface Method for Structural Dynamic Fuzzy Reliability Analysis. In ENERGIES. ISSN 1996-1073, 2019, vol. 12, no. 9., Registrované v: WOS
2. [1.1] RAHIMI, M. - SHAKOURI, A. On Hudetz entropy localization. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 367, no., p. 96-106., Registrované v: WOS

ADCA184 MAYET, R. - PULMANNOVÁ, Sylvia. Nearly orthosymmetric ortholattices and Hilbert space. In Foundations of Physics, 1994, vol. 24, no. 10, s. 1425-1437. ISSN 0015-9018.

Citácie:
1. [1.1] PAVICIC, Mladen - WAEGELL, Mordecai - MEGILL, Norman D. - ARAVIND, P. K. Automated generation of Kochen-Specker sets. In SCIENTIFIC REPORTS. ISSN 2045-2322, 2019, vol. 9., Registrované v: WOS

ADCA185 MEDINA, Jesús - OJEDA-ACIEGO, M. - PÓCS, Jozef - RAMÍREZ-POUSSA, E. On the Dedekind-MacNeille completion and formal concept analysis based on multilattices. In Fuzzy Sets and Systems, 2016, vol. 303, p. 1-20. (2015: 2.098 - IF, Q1 - JCR, 1.354 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2016.01.007

Citácie:
1. [1.1] XU, Yue - LIU, Lianzhen - ZHANG, Xiangyang. Multilattices on typical hesitant fuzzy sets. In INFORMATION SCIENCES. ISSN 0020-0255, 2019, vol. 491, p. 63-73., Registrované v: WOS

ADCA186 MEDNYKH, A. - NEDELA, Roman. Enumeration of unrooted maps of a given genus. In Journal of Combinatorial Theory, Series B, 2006, vol. 96, p. 706-729. (2005: 0.659 - IF, Q2 - JCR, 1.365 - SJR, Q1 - SJR, karentované - CCC). (2006 - Current Contents). ISSN 0095-8956.

Citácie:
1. [1.1] CIOBANU, Laura - KOLPAKOV, Alexander. Free subgroups of free products and combinatorial hypermaps. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 5, p. 1415-1433., Registrované v: WOS
2. [1.1] KRASKO, Evgeniy - OMELCHENKO, Alexander. Enumeration of r-regular maps on the torus. Part I: Rooted maps on the torus, the projective plane and the Klein bottle. Sensed maps on the torus. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 2, p. 584-599., Registrované v: WOS

3. [1.1] KRASKO, Evgeniy - OMELCHENKO, Alexander. Enumeration of r-regular maps on the torus. Part II: Unsensed maps. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 2, p. 600-614., Registrované v: WOS

4. [1.2] KRASKO, E. Counting Unlabelled Chord Diagrams of Maximal Genus. In Journal of Mathematical Sciences (United States). ISSN 10723374, 2019-02-01, 236, 5, p. 521-526., Registrované v: SCOPUS

ADCA187 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Continuous triangular subnorms. In Fuzzy Sets and Systems, 2004, vol. 142, no. 1, p. 75-83. ISSN 0165-0114.

Citácie:

1. [1.2] LI, Gang - LI, Zhenbo - LIU, Hua Wen. Some Results on Conditionally Subcancellative Triangular Subnorms. In Advances in Intelligent Systems and Computing. ISSN 21945357, 2019-01-01, 872, p. 191-197., Registrované v: SCOPUS

2. [1.2] LIMA, Lucelia - ROCHA, Marcus - LIMA, Annaxsuel De - BEDREGAL, Benjamin - BUSTINCE, Humberto. On pseudo-homogeneity of t-subnorms. In IEEE International Conference on Fuzzy Systems. ISSN 10987584, 2019-06-01, 2019-June, Art. No. 8858887., Registrované v: SCOPUS

ADCA188 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. H-transformation of t-norms. In Information Sciences, 2006, vol. 176, no. 11, p. 1531-1545. ISSN 0020-0255.

Citácie:

1. [1.1] JANDA, Jiri - VETTERLEIN, Thomas. The coextension of commutative pomonoids and its application to triangular norms. In QUAESTIONES MATHEMATICAE. ISSN 1607-3606, 2019, vol. 42, no. 3, p. 319-345., Registrované v: WOS

ADCA189 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Characterization of uninorms with continuous underlying T-norm and T-conorm by their set of discontinuity points. In IEEE Transactions on Fuzzy Systems, 2018, vol. 26, no. 2, p. 705-714. (2017: 8.415 - IF, Q1 - JCR, 4.024 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1063-6706. Dostupné na: https://doi.org/10.1109/TFUZZ.2017.2688346

Citácie:

1. [1.1] JENEI, Sandor. A New Class of Uninorm Aggregation Operations for Fuzzy Theory. In ARTIFICIAL INTELLIGENCEAND SOFT COMPUTING, PT I. ISSN 0302-9743, 2019, vol. 11508, no., p. 296-303., Registrované v: WOS

2. [1.1] LI, Gang - LI, Zhenbo. On a class of left-continuous uninorms constructed from the representable uninorm. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 36, no. 6, p. 6653-6661., Registrované v: WOS

3. [1.1] SU, Yong - ZONG, Wenwen - DRYGAS, Pawel. Properties of uninorms with the underlying operations given as ordinal sums. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 357, no., p. 47-57., Registrované v: WOS

4. [1.2] LI, Wen Huang - QIN, Feng - ZHAO, Yuan Yuan. A note on uninorms with continuous underlying operators. In Fuzzy Sets and Systems. ISSN 01650114, 2019-01-01., Registrované v: SCOPUS

ADCA190 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Characterizing set-valued functions of uninorms with continuous underlying t-norm and t-conorm. In Fuzzy Sets and Systems, 2018, vol. 334, p. 83-93. (2017: 2.675 - IF, Q1 - JCR, 1.138 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2017.07.019

Citácie:
1. [1.1] DAN, Yexing - HU, Bao Qing - QIAO, Junsheng. New constructions of uninorms on bounded lattices. In INTERNATIONAL JOURNAL OF APPROXIMATE REASONING. ISSN 0888-613X, 2019, vol. 110, p. 185-209., Registrované v: WOS
2. [1.1] JENEI, Sandor. A New Class of Uninorm Aggregation Operations for Fuzzy Theory. In ARTIFICIAL INTELLIGENCEAND SOFT COMPUTING, PT I. ISSN 0302-9743, 2019, vol. 11508, no., pp. 296-303., Registrované v: WOS
3. [1.2] DAN, Yexing - HU, Bao Qing - QIAO, Junsheng. New construction of t-norms and t-conorms on bounded lattices. In Fuzzy Sets and Systems. ISSN 01650114, 2019-01-01., Registrované v: SCOPUS
4. [1.2] LI, Wen Huang - QIN, Feng - ZHAO, Yuan Yuan. A note on uninorms with continuous underlying operators. In Fuzzy Sets and Systems. ISSN 01650114, 2019-01-01., Registrované v: SCOPUS

ADCA191 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Multi-polar t-conorms and uninorms. In Information Sciences, 2015, vol. 301, p. 227-240. (2014: 4.038 - IF, Q1 - JCR, 2.226 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2014.12.060

Citácie:
1. [1.1] CABALLERO, Erick Gonzalez - SMARANDACHE, Florentin - LEYVA VAZQUEZ, Maikel. On Neutrosophic Offuninorms. In SYMMETRY-BASEL, 2019, vol. 11, no. 9., Registrované v: WOS
2. [1.1] CAYLI, Gul Deniz. On the structure of uninorms on bounded lattices. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 357, p. 2-26., Registrované v: WOS
3. [1.2] ÇAYLI, Gül Deniz. Uninorms on bounded lattices with the underlying t-norms and t-conorms. In Fuzzy Sets and Systems. ISSN 01650114, 2019-01-01., Registrované v: SCOPUS

ADCA192 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Continuous additive generators of continuous, conditionally cancellative triangular subnorms. In Information Sciences, 2016, vol. 339, p. 53-63. (2015: 3.364 - IF, Q1 - JCR, 1.960 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2015.12.016

Citácie:
1. [1.1] KONG, Mingming - PEI, Zheng - REN, Fangling - HAO, Fei. New Operations on Generalized Hesitant Fuzzy Linguistic Term Sets for Linguistic Decision Making. In INTERNATIONAL JOURNAL OF FUZZY SYSTEMS. ISSN 1562-2479, 2019, vol. 21, no. 1, p. 243-262., Registrované v: WOS
2. [1.2] LI, Gang - LI, Zhenbo - LIU, Hua Wen. Some Results on Conditionally Subcancellative Triangular Subnorms. In Advances in Intelligent Systems and Computing. ISSN 21945357, 2019-01-01, 872, p. 191-197., Registrované v: SCOPUS

ADCA193 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. A note on decomposition of idempotent uninorms into an ordinal sum of singleton semigroups. In Fuzzy Sets and Systems, 2016, vol. 299, p. 140-145. (2015: 2.098 - IF, Q1 - JCR, 1.354 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2016.04.007

Citácie:
1. [1.1] CAYLI, Gul Deniz - KARACAL, Funda - MESIAR, Radko. On internal and locally internal uninorms on bounded lattices. In INTERNATIONAL JOURNAL OF GENERAL SYSTEMS. ISSN 0308-1079, 2019, vol. 48, no. 3, p. 235-259., Registrované v: WOS
2. [1.1] CAYLI, Gul Deniz. On Properties of Internal Uninorms on Bounded Lattices. In NEW TRENDS IN AGGREGATION THEORY. ISSN 2194-5357, 2019, vol. 981, p. 115-128., Registrované v: WOS
3. [1.1] MESIAR, Radko - KOLESAROVA, Anna - GOMEZ, Daniel - MONTERO, Javier. Set-based extended aggregation functions. In INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS. ISSN 0884-8173, 2019, vol. 34, no. 9, p. 2039-2054., Registrované v: WOS
4. [1.2] DEVILLET, Jimmy - KISS, Gergely - MARICHAL, Jean Luc. On Idempotent n-ary Uninorms. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11676 LNAI, p. 98-104., Registrované v: SCOPUS
5. [1.2] MESIAR, Radko - KOLESÁROVÁ, Anna - ŠELIGA, Adam - MONTERO, Javier - GÓMEZ, Daniel. Set-Based Extended Functions. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11676 LNAI, p. 41-51., Registrované v: SCOPUS

ADCA194 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Ordinal sum construction for uninorms and generalized uninorms. In International Journal of Approximate Reasoning, 2016, vol. 76, p. 1-17. (2015: 2.696 - IF, Q1 - JCR, 1.795 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0888-613X. Dostupné na: https://doi.org/10.1016/j.ijar.2016.04.007

Citácie:
1. [1.1] CAYLI, Gul Deniz. New methods to construct uninorms on bounded lattices. In INTERNATIONAL JOURNAL OF APPROXIMATE REASONING. ISSN 0888-613X, 2019, vol. 115, p. 254-264., Registrované v: WOS
2. [1.1] KESICIOGLU, M. Nesibe. CONSTRUCTION METHODS FOR IMPLICATIONS ON BOUNDED LATTICES. In KYBERNETIKA. ISSN 0023-5954, 2019, vol. 55, no. 4, p. 641-667., Registrované v: WOS
3. [1.1] SU, Yong - ZONG, Wenwen - DRYGAS, Pawel. Properties of uninorms with the underlying operations given as ordinal sums. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 357, p. 47-57., Registrované v: WOS

ADCA195 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Sensitivity analysis of fuzzy rule-based classification systems by means of the Lipschitz condition. In Soft Computing, 2016, vol. 20, no. 1, p. 103-113. (2015: 1.630 - IF, Q2 - JCR, 0.759 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-015-1744-z

Citácie:
1. [1.2] KOIT, Mare. Modelling attitudes of a conversational agent. In IC3K 2019 Proceedings of the 11th International Joint Conference on Knowledge Discovery, Knowledge Engineering and Knowledge Management, 2019-01-01, 2, p. 225-232., Registrované v: SCOPUS

ADCA196 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. T-norms and t-conorms continuous around diagonals. In Fuzzy Sets and Systems, 2016, vol. 299, p. 105-112. (2015: 2.098 - IF, Q1 - JCR, 1.354 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2015.11.001

Citácie:
1. [1.1] SHEN, Kai-Wen - WANG, Jian-Qiang - WANG, Tie-Li. The arithmetic of multidimensional Z-number. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 36, no. 2, p. 1647-1661., Registrované v: WOS

ADCA197 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Uninorms continuous on [0, e[U-2]e, 1] (2). In Information Sciences, 2017, vol. 393, p. 130-143. (2016: 4.832 - IF, Q1 - JCR, 1.781 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2017.02.006

Citácie:
1. [1.1] CAYLI, Gul Deniz. Alternative approaches for generating uninorms on bounded lattices. In INFORMATION SCIENCES. ISSN 0020-0255, 2019, vol. 488, p. 111-139., Registrované v: WOS
2. [1.1] DAN, Yexing - HU, Bao Qing - QIAO, Junsheng. New constructions of uninorms on bounded lattices. In INTERNATIONAL JOURNAL OF APPROXIMATE REASONING. ISSN 0888-613X, 2019, vol. 110, p. 185-209., Registrované v: WOS
3. [1.1] SU, Yong - ZONG, Wenwen - DRYGAS, Pawel. Properties of uninorms with the underlying operations given as ordinal sums. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 357, p. 47-57., Registrované v: WOS
4. [1.2] ÇAYLI, Gül Deniz. Uninorms on bounded lattices with the underlying t-norms and t-conorms. In Fuzzy Sets and Systems. ISSN 01650114, 2019-01-01., Registrované v: SCOPUS

ADCA198 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Characterization of uninorms with continuous underlying t-norm and t-conorm by means of the ordinal sum construction. In International Journal of Approximate Reasoning, 2017, vol. 83, p. 176-192. (2016: 2.845 - IF, Q2 - JCR, 1.275 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0888-613X. Dostupné na: https://doi.org/10.1016/j.ijar.2017.01.007

Citácie:
1. [1.1] CAYLI, Gul Deniz. New methods to construct uninorms on bounded lattices. In INTERNATIONAL JOURNAL OF APPROXIMATE REASONING. ISSN 0888-613X, 2019, vol. 115, p. 254-264., Registrované v: WOS
2. [1.1] SU, Yong - ZONG, Wenwen - DRYGAS, Pawel. Properties of uninorms with the underlying operations given as ordinal sums. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 357, p. 47-57., Registrované v: WOS
3. [1.2] DRYGAŚ, Paweł - BAZAN, Jan G. - PUSZ, Piotr - KNAP, Maksymilian. Application of uninorms to aggregate uncertainty from many classifiers. In Journal of Automation, Mobile Robotics and Intelligent Systems. ISSN 18978649, 2019-01-01, 13, 4, pp. 85-90., Registrované v: SCOPUS

ADCA199 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Ordinal sums of representable uninorms. In Fuzzy Sets and Systems, 2017, vol. 308, p. 42-53. (2016: 2.718 - IF, Q1 - JCR, 1.408 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2016.07.006

Citácie:
1. [1.1] CAYLI, Gul Deniz - KARACAL, Funda - MESIAR, Radko. On internal and locally internal uninorms on bounded lattices. In INTERNATIONAL JOURNAL OF GENERAL SYSTEMS. ISSN 0308-1079, 2019, vol. 48, no. 3, p. 235-259., Registrované v: WOS

2. [1.1] KESICIOGLU, M. Nesibe. CONSTRUCTION METHODS FOR IMPLICATIONS ON BOUNDED LATTICES. In KYBERNETIKA. ISSN 0023-5954, 2019, vol. 55, no. 4, p. 641-667., Registrované v: WOS

ADCA200 MESIAROVÁ-ZEMÁNKOVÁ, Andrea - AHMAD, K. T-Norms in subtractive clustering and backpropagation. In International Journal of Intelligent Systems, 2010, vol. 25, no. 9, p. 909-924. (2009: 1.194 - IF, Q3 - JCR, 0.559 - SJR, Q2 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0884-8173. Dostupné na: https://doi.org/10.1002/int.20423

Citácie:

1. [1.1] VINHA ZANUNCIO, Antonio Jose - CARVALHO, Amelia Guimaraes - ARAUJO JUNIOR, Carlos Alberto - DE ASSIS, Maira Reis - DA SILVA, Liniker Fernandes. Neuro-fuzzy Hybrid System for Monitoring Wood Moisture Content During Drying. In FLORESTA E AMBIENTE. ISSN 2179-8087, 2019, vol. 26, no. 2., Registrované v: WOS

ADCA201 MESIAROVÁ-ZEMÁNKOVÁ, Andrea - AHMAD, K. Extended multi-polarity and multi-polar-valued fuzzy sets. In Fuzzy Sets and Systems, 2014, vol. 234, p. 61-78. (2013: 1.880 - IF, Q1 - JCR, 1.439 - SJR, karentované - CCC). (2014 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2013.03.018

Citácie:

1. [1.1] FAN, Changxing - YE, Jun - FENG, Sheng - FAN, En - HU, Keli. Multi-Criteria Decision-Making Method Using Heronian Mean Operators under a Bipolar Neutrosophic Environment. In MATHEMATICS. ISSN 2227-7390, 2019, vol. 7, no. 1., Registrované v: WOS

2. [1.1] PEKALA, B. Uncertainty Data in Interval-Valued Fuzzy Set Theory: Properties, Algorithms and Applications. In UNCERTAINTY DATA IN INTERVAL-VALUED FUZZY SET THEORY: PROPERTIES, ALGORITHMS AND APPLICATIONS. ISSN 1434-9922, 2019, vol. 367, p. 1-181., Registrované v: WOS

3. [1.2] LUO, Qi - YANG, Lin - HAN, Ying - SHI, Kai. Research of a New Multi-polar Analysis Method to High-voltage Circuit Breaker Fault Diagnosis. In Gaoya Dianqi/High Voltage Apparatus. ISSN 10011609, 2019-05-16, 55, 5, p. 82-87 and 93., Registrované v: SCOPUS

ADCA202 MESIAROVÁ-ZEMÁNKOVÁ, Andrea - AHMAD, K. Multi-polar Choquet integral. In Fuzzy Sets and Systems, 2013, vol. 220, p. 1-20. (2012: 1.749 - IF, Q1 - JCR, 1.472 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2012.09.005

Citácie:

1. [1.1] KONECNY, Jan. Note on m-polar fuzzy graph representation of concept lattice: How to really compute m-polar fuzzy concepts. In ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE. ISSN 0952-1976, 2019, vol. 78, p. 1-11., Registrované v: WOS

ADCA203 MESIAR, R. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Convex combinations of continuous t-norms with the same diagonal function. In Nonlinear Analysis: Theory, Methods & Applications, 2008, vol. 69, p. 2851-2856. ISSN 0362-546X.

Citácie:

1. [1.1] KARACAL, Funda - ERTUGRUL, Umit - KESICIOGLU, M. Nesibe. A Construction Method for t-norms on Bounded Lattices. In NEW TRENDS IN AGGREGATION THEORY. ISSN 2194-5357, 2019, vol. 981, p. 205-211., Registrované v: WOS

2. [1.1] KARACAL, Funda - KESICIOGLU, M. Nesibe - ERTUGRUL, Umit. On Some Properties of Generalized Convex Combination of Triangular Norms. In NEW TRENDS IN AGGREGATION THEORY. ISSN 2194-5357, 2019, vol. 981, p. 223-231., Registrované v: WOS
3. [1.2] LI, Gang - LIU, Hua Wen. Some results on the convex combination of uninorms. In Fuzzy Sets and Systems. ISSN 01650114, 2019-10-01, 372, pp. 50-61., Registrované v: SCOPUS

ADCA204 MESIAR, R. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Residual implications and left-continuous t-norms which are ordinal sums of semigroups. In Fuzzy Sets and Systems, 2004, vol. 143, no. 1, p. 47-57. ISSN 0165-0114.

Citácie:
1. [1.1] KESICIOGLU, M. Nesibe. CONSTRUCTION METHODS FOR IMPLICATIONS ON BOUNDED LATTICES. In KYBERNETIKA. ISSN 0023-5954, 2019, vol. 55, no. 4, p. 641-667., Registrované v: WOS
2. [1.1] SUN, Feng - WANG, Xue-ping - QU, Xiao-bing - SHU, Qian-yu - ZHANG, Xiao-hong. Residual operations of monotone binary operations over complete lattices. In INTERNATIONAL JOURNAL OF APPROXIMATE REASONING. ISSN 0888-613X, 2019, vol. 110, p. 127-144., Registrované v: WOS
3. [1.2] GUŠIC, Dženan. Vague functional dependencies and resolution principle. In WSEAS Transactions on Mathematics. ISSN 11092769, 2019-01-01, 18, p. 288-294., Registrované v: SCOPUS
4. [1.2] GUŠIC, Dženan. Vague multivalued dependencies and resolution principle. In WSEAS Transactions on Mathematics. ISSN 11092769, 2019-01-01, 18, p. 257-263., Registrované v: SCOPUS
5. [1.2] GUŠIĆ, Dženan - NESIMOVIĆ, Sanela. Automatization in vague database relations via lukasiewicz fuzzy implication operator. In WSEAS Transactions on Systems and Control. ISSN 19918763, 2019-01-01, 14, p. 445-459., Registrované v: SCOPUS
6. [1.2] GUŠIĆ, Dženan - NESIMOVIĆ, Sanela. New vague dependencies as a result of automatization. In WSEAS Transactions on Systems and Control. ISSN 19918763, 2019-01-01, 14, pp. 419-436., Registrované v: SCOPUS
7. [1.2] GUŠIĆ, Dženan. On completeness of inference rules for vague functional and vague multivalued dependencies in two-element vague relation instances. In WSEAS Transactions on Systems and Control. ISSN 19918763, 2019-01-01, 14, p. 232-238., Registrované v: SCOPUS

ADCA205 MESIAR, R. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Fuzzy integrals and linearity. In International Journal of Approximate Reasoning, 2008, vol. 47, no. 3, p. 352-358. (2007: 1.220 - IF, Q2 - JCR, 0.983 - SJR, Q1 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 0888-613X.

Citácie:
1. [1.1] LIN, Cheng-Jian - LIN, Chun-Hui - SUN, Chi-Chia - WANG, Shyh-Hau. Evolutionary-Fuzzy-Integral-Based Convolutional Neural Networks for Facial Image Classification. In ELECTRONICS, 2019, vol. 8, no. 9., Registrované v: WOS

ADCA206 MESIAR, R. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Fuzzy integrals - what are they ? In International Journal of Intelligent Systems, 2008, vol. 23, no. 2, p. 199-212. (2007: 0.667 - IF, Q3 - JCR, 0.474 - SJR, Q2 - SJR). ISSN 0884-8173.

Citácie:
1. [1.2] ALVES, Diogo - DOCTOR, Faiyaz - IQBAL, Rahat - KATTAN, Ahmed J. A soft computing methodology based on fuzzy measures and integrals for ranking workers informing labour hiring policies. In ACM International Conference Proceeding Series, 2019-06-18, p. 117-122., Registrované v: SCOPUS

ADCA207 MESIAR, R. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea. The Ordered Modular Averages. In IEEE Transactions on Fuzzy Systems, 2011, vol. 19, no. 1, p. 42-50. (2010: 2.695 - IF, Q1 - JCR, 1.549 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 1063-6706. Dostupné na: https://doi.org/10.1109/TFUZZ.2010.2077641

Citácie:
1. [1.1] KACPRZYK, Janusz - YAGER, Ronald R. - MERIGO, Jose M. Towards Human-Centric Aggregation via Ordered Weighted Aggregation Operators and Linguistic Data Summaries: A New Perspective on Zadeh';s Inspirations. In IEEE COMPUTATIONAL INTELLIGENCE MAGAZINE. ISSN 1556-603X, 2019, vol. 14, no. 1, p. 16-30., Registrované v: WOS
2. [1.1] LI, Hong-Quan - YI, Zhi-Hong - FANG, Yong. Portfolio selection under uncertainty by the ordered modular average operator. In FUZZY OPTIMIZATION AND DECISION MAKING. ISSN 1568-4539, 2019, vol. 18, no. 1, p. 1-14., Registrované v: WOS
3. [1.2] LIU, Nan - HE, Yingdong. The ordering of making microcredit loans to farmers based on the IFGIBMs. In Soft Computing. ISSN 14327643, 2019-09-01, 23, 17, pp. 7741-7754., Registrované v: SCOPUS

ADCA208 MESIAR, R. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea - AHMAD, K. Discrete Choquet integral and some of its symmetric extensions. In Fuzzy Sets and Systems, 2011, vol. 184, no. 1, p. 148-155. (2010: 1.875 - IF, Q1 - JCR, 1.274 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2010.11.013

Citácie:
1. [1.1] AGGARWAL, Manish - TEHRANI, Ali Fallah. Modelling Human Decision Behaviour with Preference Learning. In INFORMS JOURNAL ON COMPUTING. ISSN 1091-9856, 2019, vol. 31, no. 2, p. 318-334., Registrované v: WOS
2. [1.1] AGGARWAL, Manish. Generalized attitudinal Choquet integral. In INTERNATIONAL JOURNAL OF INTELLIGENT SYSTEMS. ISSN 0884-8173, 2019, vol. 34, no. 5, p. 733-753., Registrované v: WOS

ADCA209 MESIAR, R. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea - VALÁŠKOVÁ, Ľ. Basic generated universal fuzzy measures. In International Journal of Approximate Reasoning, 2007, vol. 46, no. 3, s. 447-457. (2006: 1.262 - IF, Q2 - JCR, 0.913 - SJR, Q1 - SJR). ISSN 0888-613X.

Citácie:
1. [1.1] MISIK, Ladislav - TOTH, Janos T. On partial limits of sequences. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 375, p. 179-190., Registrované v: WOS

ADCA210 MESIAR, Radko - MESIAROVÁ-ZEMÁNKOVÁ, Andrea - AHMAD, Khurshid. Level-dependent Sugeno integral. In IEEE Transactions on Fuzzy Systems, 2009, vol. 17, no. 1, p. 167-172. (2008: 3.624 - IF, Q1 - JCR, 2.581 - SJR, Q1 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 1063-6706.

Citácie:
1. [1.1] FENG, Yixiong - ZHANG, Zhifeng - TIAN, Guangdong - FATHOLLAHI-FARD, Amir Mohammad - HAO, Nannan - LI, Zhiwu - WANG, Wenjie - TAN, Jianrong. A Novel Hybrid Fuzzy Grey TOPSIS Method: Supplier Evaluation of a Collaborative Manufacturing Enterprise. In APPLIED SCIENCES-BASEL, 2019, vol. 9, no. 18., Registrované v: WOS

ADCA211 MICHALÍKOVÁ, Alžbeta - RIEČAN, Beloslav. On invariant IF-state. In Soft Computing, 2018, vol. 22, no. 15, p. 5043-5049. (2017: 2.367 - IF, Q2 - JCR, 0.593 - SJR, Q2 - SJR, karentované - CCC). (2018 - Current Contents). ISSN 1432-7643. Dostupné na: https://doi.org/10.1007/s00500-018-3278-7

Citácie:
1. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. On MV-Algebraic Versions of the Strong Law of Large Numbers. In ENTROPY. ISSN 1099-4300, 2019, vol. 21, no. 7, art. no. 710., Registrované v: WOS

ADCA212 NÁNÁSIOVÁ, Olga - PULMANNOVÁ, Sylvia. S-map and tracial states. In Information Sciences, 2009, vol. 179, no. 5, p. 515-520. (2008: 3.095 - IF, Q1 - JCR, 1.544 - SJR, Q1 - SJR). ISSN 0020-0255.

Citácie:
1. [1.2] KAREEM, Habeeb - ALADILEE, Ahmed - DAKHIL, Sarab. Multivariate copula and co-copula on BL-algebra. In Journal of Physics: Conference Series. ISSN 17426588, 2019-10-25, 1294, no. 3., Registrované v: SCOPUS

ADCA213 PLÁVALA, Martin. Conditions for the compatibility of channels in general probabilistic theory and their connection to steering and Bell nonlocality. In Physical Review A, 2017, vol. 96, no. 5, art. no. 052127, p. [1-17]. (2016: 2.925 - IF, Q1 - JCR, 1.482 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1050-2947. Dostupné na: https://doi.org/10.1103/PhysRevA.96.052127

Citácie:
1. [1.1] CARMELI, Claudio - HEINOSAARI, Teiko - MIYADERA, Takayuki - TOIGO, Alessandro. Witnessing incompatibility of quantum channels. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 12, art. no. 122202., Registrované v: WOS
2. [1.2] WU, Zhaoqi - FEI, Shao Ming - LI-JOST, Xianqing - ZHANG, Lin. Information Transfer in Generalized Probabilistic Theories Based on Weak Repeatability. In International Journal of Theoretical Physics. ISSN 00207748, 2019-11-01, 58, 11, p. 3632-3639., Registrované v: SCOPUS

ADCA214 PLÁVALA, Martin. All measurements in a probabilistic theory are compatible if and only if the state space is a simplex. In Physical Review A, 2016, vol. 94, no. 4, art. no. 042108. (2015: 2.765 - IF, Q1 - JCR, 1.747 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1050-2947. Dostupné na: https://doi.org/10.1103/PhysRevA.94.042108

Citácie:
1. [1.1] CARMELI, Claudio - HEINOSAARI, Teiko - MIYADERA, Takayuki - TOIGO, Alessandro. Witnessing incompatibility of quantum channels. In JOURNAL OF MATHEMATICAL PHYSICS. ISSN 0022-2488, 2019, vol. 60, no. 12, art. no. 122202., Registrované v: WOS
2. [1.1] DESIGNOLLE, Sebastien - FARKAS, Mate - KANIEWSKI, Jedrzej. Incompatibility robustness of quantum measurements: a unified framework. In NEW JOURNAL OF PHYSICS. ISSN 1367-2630, 2019, vol. 21, no. 11, art. no. 113053., Registrované v: WOS

ADCA215 PÓCS, Jozef. Note on generating fuzzy concept lattices via Galois connections. In Information Sciences, 2012, vol. 185, no. 1, p. 128-136. (2011: 2.833 - IF, Q1 - JCR, 1.821 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0020-0255. Dostupné na: https://doi.org/10.1016/j.ins.2011.09.021

Citácie:

1. [1.1] SANG, Binbin - LONG, Binghan - PANG, Jinzhong - XU, Weihua. The Method of Data Analysis in Intuitionistic Fuzzy Generalized Consistent Decision Formal Context. In ENTROPY. ISSN 1099-4300, 2019, vol. 21, no. 3., Registrované v: WOS

ADCA216 POSPÍŠIL, Michal - JAROŠ, František. On the representation of solutions of delayed differential equations via Laplace transform. In Electronic Journal of Qualitative Theory of Differential Equations, 2016, no. 117, p. 1-13. (2015: 0.732 - IF, Q2 - JCR, 0.602 - SJR, Q2 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1417-3875. Dostupné na: https://doi.org/10.14232/ejqtde.2016.1.117

Citácie:

1. [1.1] YENICERIOGLU, Ali Fuat. Stability of linear impulsive neutral delay differential equations with constant coefficients. In JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS. ISSN 0022-247X, 2019, vol. 479, no. 2, pp. 2196-2213., Registrované v: WOS

ADCA217 POSPÍŠIL, Michal - MEDVEĎ, Milan - ŠKRIPKOVÁ, Lucia. Stability and the nonexistence of blowing-up solutions of nonlinear delay systems with linear parts defined by permutable matrices. In Nonlinear Analysis: Theory, Methods & Applications, 2011, vol. 74, no. 12, p. 3903-3911. (2010: 1.279 - IF, Q1 - JCR, 1.273 - SJR, Q1 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0362-546X. Dostupné na: https://doi.org/10.1016/j.na.2011.02.026

Citácie:

1. [1.1] MAHMUDOV, Nazim I. Delayed perturbation of Mittag-Leffler functions and their applications to fractional linear delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 16, pp. 5489-5497., Registrované v: WOS

2. [1.1] YOU, Zhongli - WANG, JinRong - O';REGAN, D. Exponential Stability and Relative Controllability of Nonsingular Delay Systems. In BULLETIN OF THE BRAZILIAN MATHEMATICAL SOCIETY. ISSN 1678-7544, 2019, vol. 50, no. 2, pp. 457-479., Registrované v: WOS

3. [1.1] YOU, Zhongli - WANG, JinRong - O';REGAN, Donal - ZHOU, Yong. Relative controllability of delay differential systems with impulses and linear parts defined by permutable matrices. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 3, pp. 954-968., Registrované v: WOS

4. [1.1] YOU, Zhongli - WANG, JinRong - ZHOU, Yong - FECKAN, Michal. Representation of Solutions and Finite Time Stability for Delay Differential Systems with Impulsive Effects. In INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION. ISSN 1565-1339, 2019, vol. 20, no. 2, pp. 205-221., Registrované v: WOS

ADCA218 POSPÍŠIL, Michal. Representation and stability of solutions of systems of functional differential equations with multiple delays. In Electronic Journal of Qualitative Theory of Differential Equations, 2012, no. 54, p. 1-30. (2011: 0.557 - IF, Q3 - JCR, 0.842 - SJR, Q2 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 1417-3875.

Citácie:

1. [1.1] ANGELES CASTRO, Maria - ANTONIO GARCIA, Miguel - ANTONIO MARTIN, Jose - RODRIGUEZ, Francisco. Exact and Nonstandard Finite Difference Schemes for Coupled Linear Delay Differential Systems. In MATHEMATICS, 2019, vol. 7, no. 11, 1038, 14 pages., Registrované v: WOS

2. [1.1] LI, Mengmeng - WANG, JinRong. Finite time stability and relative controllability of Riemann-Liouville fractional delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 18, pp. 6607-6623., Registrované v: WOS

3. [1.1] MAHMUDOV, Nazim I. Delayed perturbation of Mittag-Leffler functions and their applications to fractional linear delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 16, pp. 5489-5497., Registrované v: WOS

4. [1.1] YENICERIOGLU, Ali Fuat. Stability of linear impulsive neutral delay differential equations with constant coefficients. In JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS. ISSN 0022-247X, 2019, vol. 479, no. 2, pp. 2196-2213., Registrované v: WOS

5. [1.1] YOU, Zhongli - WANG, JinRong - O';REGAN, D. Exponential Stability and Relative Controllability of Nonsingular Delay Systems. In BULLETIN OF THE BRAZILIAN MATHEMATICAL SOCIETY. ISSN 1678-7544, 2019, vol. 50, no. 2, pp. 457-479., Registrované v: WOS

6. [1.1] YOU, Zhongli - WANG, JinRong - O';REGAN, Donal - ZHOU, Yong. Relative controllability of delay differential systems with impulses and linear parts defined by permutable matrices. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 3, pp. 954-968., Registrované v: WOS

7. [1.1] YOU, Zhongli - WANG, JinRong - ZHOU, Yong - FECKAN, Michal. Representation of Solutions and Finite Time Stability for Delay Differential Systems with Impulsive Effects. In INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION. ISSN 1565-1339, 2019, vol. 20, no. 2, pp. 205-221., Registrované v: WOS

ADCA219 POSPÍŠIL, Michal - MEDVEĎ, Milan. Sufficient conditions for the asymptotic stability of nonlinear multidelay differential equations with linear parts defined by pairwise permutable matrices. In Nonlinear Analysis: Theory, Methods & Applications, 2012, vol. 75, no. 7, p. 3348-3363. (2011: 1.536 - IF, Q1 - JCR, 1.832 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0362-546X. Dostupné na: https://doi.org/10.1016/j.na.2011.12.031

Citácie:

1. [1.1] LI, Mengmeng - WANG, JinRong. Finite time stability and relative controllability of Riemann-Liouville fractional delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 18, pp. 6607-6623., Registrované v: WOS

2. [1.1] MAHMUDOV, Nazim I. Delayed perturbation of Mittag-Leffler functions and their applications to fractional linear delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 16, pp. 5489-5497., Registrované v: WOS
3. [1.1] YANG, Peng - WANG, JinRong - ZHOU, Yong. Representation of solution for a linear fractional delay differential equation of Hadamard type. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, 300, 7 pages., Registrované v: WOS
4. [1.1] YOU, Zhongli - WANG, JinRong - O';REGAN, D. Exponential Stability and Relative Controllability of Nonsingular Delay Systems. In BULLETIN OF THE BRAZILIAN MATHEMATICAL SOCIETY. ISSN 1678-7544, 2019, vol. 50, no. 2, pp. 457-479., Registrované v: WOS
5. [1.1] YOU, Zhongli - WANG, JinRong - O';REGAN, Donal - ZHOU, Yong. Relative controllability of delay differential systems with impulses and linear parts defined by permutable matrices. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 3, pp. 954-968., Registrované v: WOS
6. [1.1] YOU, Zhongli - WANG, JinRong - ZHOU, Yong - FECKAN, Michal. Representation of Solutions and Finite Time Stability for Delay Differential Systems with Impulsive Effects. In INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION. ISSN 1565-1339, 2019, vol. 20, no. 2, pp. 205-221., Registrované v: WOS

ADCA220 PULMANNOVÁ, Sylvia. A note on observables on MV algebras. In Soft Computing, 2000, vol. 4, p. 45-48. ISSN 1432-7643.

Citácie:

1. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. On MV-Algebraic Versions of the Strong Law of Large Numbers. In ENTROPY, 2019, vol. 21, no. 7., Registrované v: WOS

ADCA221 PULMANNOVÁ, Sylvia. On fuzzy hidden variables. In Fuzzy Sets and Systems, 2005, vol. 155, s. 119-137. ISSN 0165-0114.

Citácie:

1. [1.1] DASS, Anuli - SRIVASTAVA, Smriti. Identification and control of dynamical systems using different architectures of recurrent fuzzy system. In ISA TRANSACTIONS. ISSN 0019-0578, 2019, vol. 85, no., pp. 107-118., Registrované v: WOS

ADCA222 PULMANNOVÁ, Sylvia. Effect algebras with the Riesz decomposition property and AF C*-algebras. In Foundations of Physics, 1999, vol. 29, s. 1389-1401. ISSN 0015-9018.

Citácie:

1. [1.1] GUO, Yanan - XIE, Yongjian. Direct limits of generalized pseudo-effect algebras with the Riesz decomposition properties. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 4, pp. 1071-1078., Registrované v: WOS
2. [1.1] POURGHOLAMHOSSEIN, M. - RANJBAR, M. A. On the topological mass lattice groups. In POSITIVITY. ISSN 1385-1292, 2019, vol. 23, no. 4, pp. 811-827., Registrované v: WOS

ADCA223 PULMANNOVÁ, Sylvia. Compatibility and decompositions of effects. In Journal of Mathematical Physics, 2002, vol. 43, no. 5, p. 2817-2830. ISSN 0022-2488.

Citácie:

1. [1.1] DVURECENSKIJ, Anatolij - ZAHIRI, Omid. Generalized pseudo-EMV-effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 20, pp. 9807-9819., Registrované v: WOS

ADCA224 PULMANNOVÁ, Sylvia - VINCEKOVÁ, Elena. Ideals in MV-pairs. In Soft Computing, 2008, vol. 12, s. 1199-1204. (2007: 0.607 - IF, Q3 - JCR, 0.429 - SJR, Q3 - SJR, karentované - CCC). (2008 - Current Contents). ISSN 1432-7643.
Citácie:
1. [1.1] DVURECENSKIJ, Anatolij - ZAHIRI, Omid. EMV-pairs. In INTERNATIONAL JOURNAL OF GENERAL SYSTEMS. ISSN 0308-1079, 2019, vol. 48, no. 4, pp. 382-405., Registrované v: WOS

ADCA225 PULMANNOVÁ, Sylvia - VINCEKOVÁ, Elena. MV-pairs and state operators. In Fuzzy Sets and Systems, 2015, vol. 260, p. 62-76. (2014: 1.986 - IF, Q1 - JCR, 1.369 - SJR, Q1 - SJR, karentované - CCC). (2015 - Current Contents, WOS, SCOPUS). ISSN 0165-0114. Dostupné na: https://doi.org/10.1016/j.fss.2014.04.002
Citácie:
1. [1.1] DVURECENSKIJ, Anatolij - ZAHIRI, Omid. EMV-pairs. In INTERNATIONAL JOURNAL OF GENERAL SYSTEMS. ISSN 0308-1079, 2019, vol. 48, no. 4, pp. 382-405., Registrované v: WOS

ADCA226 PULMANNOVÁ, Sylvia. MV-pairs and states. In Soft Computing, 2009, vol. 13, s. 1081-1087. (2008: 0.984 - IF, Q3 - JCR, 0.731 - SJR, Q2 - SJR, karentované - CCC). (2009 - Current Contents). ISSN 1432-7643.
Citácie:
1. [1.1] DVURECENSKIJ, Anatolij - ZAHIRI, Omid. EMV-pairs. In INTERNATIONAL JOURNAL OF GENERAL SYSTEMS. ISSN 0308-1079, 2019, vol. 48, no. 4, pp. 382-405., Registrované v: WOS

ADCA227 PULMANNOVÁ, Sylvia - VINCEKOVÁ, Elena. Congruences and ideals in lattice effect algebras as basic algebras. In Kybernetika, 2009, vol. 45, no. 6, p. 1030-1039. (2008: 0.281 - IF, Q4 - JCR, 0.480 - SJR, Q2 - SJR). ISSN 0023-5954.
Citácie:
1. [1.1] SHARAFI, Amir Hossein - HORZOOEI, Rajb Ali. QUOTIENT STRUCTURES IN LATTICE EFFECT ALGEBRAS. In KYBERNETIKA. ISSN 0023-5954, 2019, vol. 55, no. 5, pp. 879-895., Registrované v: WOS

ADCA228 RASPAUD, A. - SCHRÖDER, H. - SÝKORA, O. - TÖRÖK, Ľubomír - VRŤO, Imrich. Antibandwidth and cyclic antibandwidth of meshes and hypercubes. In Discrete Mathematics, 2009, vol. 309, p. 3541-3552. (2008: 0.502 - IF, Q3 - JCR, 0.894 - SJR, Q1 - SJR). ISSN 0012-365X.
Citácie:
1. [1.1] SUNDAR, Shyam. A Hybrid Ant Colony Optimization Approach for the Cyclic Antibandwidth Problem. In 2019 6TH INTERNATIONAL CONFERENCE ON CONTROL, DECISION AND INFORMATION TECHNOLOGIES (CODIT 2019). ISSN 2576-3555, 2019, vol., p. 1289-1294., Registrované v: WOS
2. [1.2] SANTOS, Vinícius Gandra Martins - CARVALHO, Marco Antonio Moreira de. Tailored heuristics in adaptive large neighborhood search applied to the cutwidth minimization problem. In European Journal of Operational Research. ISSN 03772217, 2019-01-01., Registrované v: SCOPUS

ADCA229 RIEČAN, Beloslav. An entropy construction inspired by fuzzy sets. In Soft Computing, 2003, vol. 7, no. 7, p. 486-488. ISSN 1432-7643.
Citácie:
1. [1.2] DOMPERE, Kofi Kissi. A general theory of entropy: Fuzzy rational foundations of information-knowledge certainty. In Studies in Fuzziness and Soft Computing. ISSN 14349922, 2019-01-01, 384, p. 1-247., Registrované v: SCOPUS

ADCA230 RIEČAN, Beloslav. On the probability theory on MV algebras. In Soft Computing, 2000, vol. 4, no. 1, p. 49-57. ISSN 1432-7643.

Citácie:
1. [1.1] MARKECHOVA, Dagmar - EBRAHIMZADEH, Abolfazl. R-norm entropy and R-norm divergence in product MV-algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, pp. 6085-6095., Registrované v: WOS
2. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. On MV-Algebraic Versions of the Strong Law of Large Numbers. In ENTROPY, 2019, vol. 21, no. 7., Registrované v: WOS
3. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. Strong Laws of Large Numbers for IVM-Events. In IEEE TRANSACTIONS ON FUZZY SYSTEMS. ISSN 1063-6706, 2019, vol. 27, no. 12, pp. 2293-2301., Registrované v: WOS

ADCA231 RIEČAN, Beloslav. Kolmogorov-Sinaj entropy on MV-algebras. In International Journal of Theoretical Physics, 2005, vol. 44, no. 7, p. 1041-1052. ISSN 0020-7748.

Citácie:
1. [1.1] MARKECHOVA, Dagmar - EBRAHIMZADEH, Abolfazl. R-norm entropy and R-norm divergence in product MV-algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, pp. 6085-6095., Registrované v: WOS
2. [1.1] MEHRPOOYA, Adel - SAYYARI, Yamin - MOLAEI, MohammadReza. Algebraic and Shannon entropies of commutative hypergroups and their connection with information and permutation entropies and with calculation of entropy for chemical algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 24, pp. 13035-13053., Registrované v: WOS

ADCA232 RIEČAN, Beloslav - MARKECHOVA, D. The entropy of fuzzy dynamical systems, general scheme and generators. In Fuzzy Sets and Systems, 1998, vol. 96, no. 2, p. 191-199. ISSN 0165-0114.

Citácie:
1. [1.1] RAHIMI, M. - SHAKOURI, A. On Hudetz entropy localization. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 367, no., pp. 96-106., Registrované v: WOS
2. [1.1] RAHIMI, Mehdi - ANJEDANI, Mohammad Mohammadi. A local view on the Hudetz correction of the Yager entropy of dynamical systems. In INTERNATIONAL JOURNAL OF GENERAL SYSTEMS. ISSN 0308-1079, 2019, vol. 48, no. 3, pp. 321-333., Registrované v: WOS

ADCA233 RIEČAN, Beloslav. On limit theorems in fuzzy quantum spaces. In Fuzzy Sets and Systems, 1999, vol. 101, no. 1, p. 79-86. ISSN 0165-0114.

Citácie:
1. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. Strong Laws of Large Numbers for IVM-Events. In IEEE TRANSACTIONS ON FUZZY SYSTEMS. ISSN 1063-6706, 2019, vol. 27, no. 12, pp. 2293-2301., Registrované v: WOS

ADCA234 RIEČANOVÁ, Z. - ZAJAC, M. - PULMANNOVÁ, Sylvia. Effect algebras of positive linear operators densely defined on a Hilbert space. In Reports on Mathematical Physics, 2011, vol. 68, s. 261-270. (2010: 0.734 - IF, Q3 - JCR, 0.505 - SJR, Q3 - SJR, karentované - CCC). (2011 - Current Contents). ISSN 0034-4877.

Citácie:
1. [1.1] SINGH, Akhilesh Kumar. Signed lambda-Measures on Effect Algebras. In PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES INDIA SECTION A-PHYSICAL SCIENCES. ISSN 0369-8203, 2019, vol. 89, no. 4, pp. 729-735., Registrované v: WOS

ADCA235 ROSAEV, A. - PLÁVALOVÁ, Eva*. On relative velocity in very young asteroid families. In Icarus, 2018, vol. 304, p. 135-142. (2017: 2.981 - IF, Q2 - JCR, 2.037 - SJR, Q1 - SJR, karentované - CCC). (2018 - Current Contents, WOS, SCOPUS, NASA ADS). ISSN 0019-1035. Dostupné na: https://doi.org/10.1016/j.icarus.2017.12.031

Citácie:

1. [1.1] PAOLICCHI, Paolo - SPOTO, F. - KNEZEVIC, Z. - MILANI, A. Ages of asteroid families estimated using the YORP-eye method. In MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY. ISSN 0035-8711, 2019, vol. 484, no. 2, pp. 1815-1828., Registrované v: WOS

ADCA236 SHAHROKHI, F. - SÝKORA, O. - SZEKELY, L.A. - VRŤO, Imrich. On bipartite drawings and the linear arrangement problem. In SIAM Journal on Computing, 2001, vol. 30, p. 1773-1789. ISSN 0097-5397.

Citácie:

1. [1.1] PALUBECKIS, Gintaras - TOMKEVICIUS, Arunas - OSTREIKA, Armantas. Hybridizing simulated annealing with variable neighborhood search for bipartite graph crossing minimization. In APPLIED MATHEMATICS AND COMPUTATION. ISSN 0096-3003, 2019, vol. 348, p. 84-101., Registrované v: WOS

ADCA237 SHAHROKHI, F. - SÝKORA, O. - SZÉKELY, L.A. - VRŤO, Imrich. Drawing graphs on surfaces with few crossings. In Algorithmica, 1996, vol. 16, p. 118-131. ISSN 0178-4617.

Citácie:

1. [1.2] OSSONA DE MENDEZ, Patrice - OUM, Sang Il - WOOD, David R. Defective Colouring of Graphs Excluding A Subgraph or Minor. In Combinatorica. ISSN 02099683, 2019-04-01, 39, 2, pp. 377-410., Registrované v: SCOPUS

ADCA238 SHAHROKHI, F. - SÝKORA, O. - SZEKELY, L.A. - VRŤO, Imrich. The book crossing number of a graph. In Journal of Graph Theory, 1996, vol. 21, p. 413-424. ISSN 0364-9024.

Citácie:

1. [1.2] CHIMANI, Markus - KINDERMANN, Philipp - MONTECCHIANI, Fabrizio - VALTR, Pavel. Crossing Numbers of Beyond-Planar Graphs. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11904 LNCS, p. 78-86., Registrované v: SCOPUS

2. [1.2] HLINĚNÝ, Petr - SANKARAN, Abhisekh. Exact Crossing Number Parameterized by Vertex Cover. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11904 LNCS, p. 307-319., Registrované v: SCOPUS

3. [1.2] KOBAYASHI, Yasuaki - KOBAYASHI, Yusuke - MIYAZAKI, Shuichi - TAMAKI, Suguru. An improved fixed-parameter algorithm for max-cut parameterized by crossing number. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11638 LNCS, p. 327-338., Registrované v: SCOPUS

4. [1.2] OKAMOTO, Yoshio - RAVSKY, Alexander - WOLFF, Alexander. Variants of the Segment Number of a Graph. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11904 LNCS, p. 430-443., Registrované v: SCOPUS

ADCA239 SHAHROKHI, Farhad - SÝKORA, Ondrej - SZÉKELY, László Aladár - VRŤO, Imrich. On k-planar crossing numbers. In Discrete Applied Mathematics, 2007, vol. 155, no. 9, p. 1106-1115. ISSN 0166-218X.

Citácie:

1. [1.1] ASPLUND, John - DO, Thao - HAMM, Arran - JAIN, Vishesh. On the k-planar local crossing number. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 4, p. 927-933., Registrované v: WOS

2. [1.2] AICHHOLZER, Oswin - FABILA-MONROY, Ruy - FUCHS, Adrian - HIDALGO-TOSCANO, Carlos - PARADA, Irene - VOGTENHUBER, Birgit - ZARAGOZA, Francisco. On the 2-Colored Crossing Number. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11904 LNCS, p. 87-100., Registrované v: SCOPUS

ADCA240 STRAUCH, Oto - TÓTH, J.T. Asymptotic density of A subset of N and density of the ratio set R(A). In Acta Arithmetica, 1998, vol. 87, no. 1, p. 67-78. ISSN 0065-1036.

Citácie:

1. [1.1] MISKA, Piotr - MURRU, Nadir - SANNA, Carlo. On the p-adic denseness of the quotient set of a polynomial image. In JOURNAL OF NUMBER THEORY. ISSN 0022-314X, 2019, vol. 197, no., pp. 218-227., Registrované v: WOS

ADCA241 SÝKORA, O. - VRŤO, Imrich. Edge separators for graphs of bounded genus with applications. In Theoretical Computer Science, 1993, vol. 112, s. 419-429. ISSN 0304-3975.

Citácie:

1. [1.1] DUNKUM, Molly - LANPHIER, Dominic. Edge integrity of nearest neighbor graphs and separator theorems. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 9, p. 2664-2679., Registrované v: WOS

ADCA242 WANG, J. - ZHOU, Y. - FEČKAN, Michal. Nonlinear impulsive problems for fractional differential equations and Ulam stability. In Computers & Mathematics with Applications, 2012, vol. 64, no. 10, p. 3389-3405. (2011: 1.747 - IF, Q1 - JCR, 1.162 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0898-1221. Dostupné na: https://doi.org/10.1016/j.camwa.2012.02.021

Citácie:

1. [1.1] AGARWAL, Ravi - HRISTOVA, Snezhana - O';REGAN, Donal. ULAM TYPE STABILITY RESULTS FOR NON-INSTANTANEOUS IMPULSIVE DIFFERENTIAL EQUATIONS WITH FINITE STATE DEPENDENT DELAY. In DYNAMIC SYSTEMS AND APPLICATIONS. ISSN 1056-2176, 2019, vol. 28, no. 1, pp. 47-61., Registrované v: WOS

2. [1.1] ALI, Arshad - SHAH, Kamal - JARAD, Fahd - GUPTA, Vidushi - ABDELJAWAD, Thabet. Existence and stability analysis to a coupled system of implicit type impulsive boundary value problems of fractional-order differential equations. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS
3. [1.1] ALI, Sajjad - SHAH, Kamal - JARAD, Fahd. On stable iterative solutions for a class of boundary value problem of nonlinear fractional order differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 3, pp. 969-981., Registrované v: WOS
4. [1.1] ALI, Zeeshan - ZADA, Akbar - SHAH, Kamal. Ulam stability results for the solutions of nonlinear implicit fractional order differential equations. In HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS. ISSN 1303-5010, 2019, vol. 48, no. 4, pp. 1092-1109., Registrované v: WOS
5. [1.1] BISHOP, S. A. - IYASE, S. A. - OKAGBUE, H. I. Stability of well-posed stochastic evolution equation. In HELIYON. ISSN 2405-8440, 2019, vol. 5, no. 11., Registrované v: WOS
6. [1.1] BUTT, Rabia Ilyas - ABDELJAWAD, Thabet - ALQUDAH, Manar A. - REHMAN, Mujeeb Ur. Ulam stability of Caputo q-fractional delay difference equation: q-fractional Gronwall inequality approach. In JOURNAL OF INEQUALITIES AND APPLICATIONS. ISSN 1029-242X, 2019, vol. 2019, no. 1., Registrované v: WOS
7. [1.1] LIU, Song - YANG, Ran - ZHOU, Xian-Feng - JIANG, Wei - LI, Xiaoyan - ZHAO, Xiao-Wen. Stability analysis of fractional delayed equations and its applications on consensus of multi-agent systems. In COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION. ISSN 1007-5704, 2019, vol. 73, no., pp. 351-362., Registrované v: WOS
8. [1.1] LIU, Yuji. A new method for converting boundary value problems for impulsive fractional differential equations to integral equations and its applications. In ADVANCES IN NONLINEAR ANALYSIS. ISSN 2191-9496, 2019, vol. 8, no. 1, pp. 386-454., Registrované v: WOS
9. [1.1] MA, Changyou. A Novel Computational Technique for Impulsive Fractional Differential Equations. In SYMMETRY-BASEL, 2019, vol. 11, no. 2., Registrované v: WOS
10. [1.1] NIAZI, Azmat Ullah Khan - WEI, Jiang - REHMAN, Mujeeb Ur - JUN, Du. Ulam-Hyers-Stability for nonlinear fractional neutral differential equations. In HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS. ISSN 1303-5010, 2019, vol. 48, no. 1, pp. 157-169., Registrované v: WOS
11. [1.1] RIZWAN, Rizwan - ZADA, Akbar - WANG, Xiaoming. Stability analysis of nonlinear implicit fractional Langevin equation with noninstantaneous impulses. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS
12. [1.1] RIZWAN, Rizwan - ZADA, Akbar. Nonlinear impulsive Langevin equation with mixed derivatives. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019., Registrované v: WOS
13. [1.1] RIZWAN, Rizwan. Existence Theory and Stability Analysis of Fractional Langevin Equation. In INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION. ISSN 1565-1339, 2019, vol. 20, no. 7-8, pp. 833-848., Registrované v: WOS

14. [1.1] SHAH, Kamal - HUSSAIN, Wajid. Investigating a Class of Nonlinear Fractional Differential Equations and Its Hyers-Ulam Stability by Means of Topological Degree Theory. In NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION. ISSN 0163-0563, 2019, vol. 40, no. 12, pp. 1355-1372., Registrované v: WOS
15. [1.1] ZADA, Akbar - RIZWAN, Rizwan - XU, Jiafa - FU, Zhengqing. On implicit impulsive Langevin equation involving mixed order derivatives. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, vol. 2019, no. 1., Registrované v: WOS
16. [1.1] ZHANG, Bei - XIA, Yonghui - ZHU, Lijuan - LIU, Haidong - GU, Longfei. Global Stability of Fractional Order Coupled Systems with Impulses via a Graphic Approach. In MATHEMATICS, 2019, vol. 7, no. 8., Registrované v: WOS
17. [1.2] HALLACI, Ahmed - BOULARES, Hamid - ARDJOUNI, Abdelouaheb. Asymptotic stability for mixed fractional delay differential equations. In Advances in the Theory of Nonlinear Analysis and its Applications. ISSN 25872648, 2019-01-01, 3, 3, pp. 150-161., Registrované v: SCOPUS
18. [1.2] KANG, Bowon - KOO, Namjip. Stability properties in impulsive differential systems of non-integer order. In Journal of the Korean Mathematical Society. ISSN 03049914, 2019-01-01, 56, 1, pp. 127-147., Registrované v: SCOPUS

ADCA243 WANG, J. - ZHOU, Y. - FEČKAN, Michal. On recent developments in the theory of boundary value problems for impulsive fractional differential equations. In Computers & Mathematics with Applications, 2012, vol. 64, no. 10, p. 3008-3020. (2011: 1.747 - IF, Q1 - JCR, 1.162 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0898-1221. Dostupné na: https://doi.org/10.1016/j.camwa.2011.12.064

Citácie:
1. [1.1] AHMAD, Bashir - ALGHANMI, Madeaha - NIETO, Juan J. - ALSAEDI, Ahmed. On impulsive nonlocal integro-initial value problems involving multi-order Caputo-type generalized fractional derivatives and generalized fractional integrals. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS
2. [1.1] AHMAD, Bashir - ALSAEDI, Ahmed - NTOUYAS, Sotiris K. NONLINEAR COUPLED FRACTIONAL ORDER SYSTEMS WITH INTEGRO-MULTISTRIP-MULTIPOINT BOUNDARY CONDITIONS. In INTERNATIONAL JOURNAL OF ANALYSIS AND APPLICATIONS. ISSN 2291-8639, 2019, vol. 17, no. 6, pp. 940-957., Registrované v: WOS
3. [1.1] AHMAD, Bashir - NTOUYAS, Sotiris K. - ALSAEDI, Ahmed. COUPLED SYSTEMS OF FRACTIONAL DIFFERENTIAL INCLUSIONS WITH COUPLED BOUNDARY CONDITIONS. In ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS. ISSN 1072-6691, 2019., Registrované v: WOS
4. [1.1] ALSAEDI, Ahmed - AHMAD, Bashir - ALGHANMI, Madeaha. Extremal solutions for generalized Caputo fractional differential equations with Steiltjes-type fractional integro-initial conditions. In APPLIED MATHEMATICS LETTERS. ISSN 0893-9659, 2019, vol. 91, no., pp. 113-120., Registrované v: WOS

5. [1.1] BORAH, Jayanta - BORA, Swaroop Nandan. EXISTENCE OF MILD SOLUTION OF A CLASS OF NONLOCAL FRACTIONAL ORDER DIFFERENTIAL EQUATION WITH NOT INSTANTANEOUS IMPULSES. In FRACTIONAL CALCULUS AND APPLIED ANALYSIS. ISSN 1311-0454, 2019, vol. 22, no. 2, pp. 495-508., Registrované v: WOS
6. [1.1] LI, Yongxiang - GOU, Haide. MIXED MONOTONE ITERATIVE TECHNIQUE FOR SEMILINEAR IMPULSIVE FRACTIONAL EVOLUTION EQUATIONS. In JOURNAL OF APPLIED ANALYSIS AND COMPUTATION. ISSN 2156-907X, 2019, vol. 9, no. 4, pp. 1216-1241., Registrované v: WOS
7. [1.1] LIU, Yuji. A new method for converting boundary value problems for impulsive fractional differential equations to integral equations and its applications. In ADVANCES IN NONLINEAR ANALYSIS. ISSN 2191-9496, 2019, vol. 8, no. 1, pp. 386-454., Registrované v: WOS
8. [1.1] PROMSAKON, Chanon - SUNTONSINSOUNGVON, Eakachai - NTOUYAS, Sotiris K. - TARIBOON, Jessada. Impulsive boundary value problems containing Caputo fractional derivative of a function with respect to another function. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, vol. 2019, no. 1., Registrované v: WOS
9. [1.1] SAADATI, R. - POURHADI, E. - SAMET, B. On the PC-mild solutions of abstract fractional evolution equations with non-instantaneous impulses via the measure of noncompactness. In BOUNDARY VALUE PROBLEMS. ISSN 1687-2770, 2019., Registrované v: WOS
10. [1.1] WANG, Li - ZHAI, Chengbo. Unique solutions for new fractional differential equations with p-Laplacian and infinite-point boundary conditions. In INTERNATIONAL JOURNAL OF DYNAMICAL SYSTEMS AND DIFFERENTIAL EQUATIONS. ISSN 1752-3583, 2019, vol. 9, no. 1, pp. 1-13., Registrované v: WOS
11. [1.1] WANG, Wenxia. Properties of Green';s function and the existence of different types of solutions for nonlinear fractional BVP with a parameter in integral boundary conditions. In BOUNDARY VALUE PROBLEMS. ISSN 1687-2770, 2019., Registrované v: WOS
12. [1.1] ZHANG, Xuping - GOU, Haide - LI, Yongxiang. Existence Results of Mild Solutions for Impulsive Fractional Integrodifferential Evolution Equations With Nonlocal Conditions. In INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION. ISSN 1565-1339, 2019, vol. 20, no. 1, pp. 1-16., Registrované v: WOS
13. [1.1] ZHAO, Kaihong - HUANG, Hui. Existence results of nonlocal boundary value problem for a nonlinear fractional differential coupled system involving fractional order impulses. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS
14. [1.2] GOU, Haide - LI, Baolin. Study a class of nonlinear fractional non-autonomous evolution equations with delay. In Journal of Pseudo-Differential Operators and Applications. ISSN 16629981, 2019-03-08, 10, 1, pp. 155-176., Registrované v: SCOPUS
15. [1.2] KUMAR, Ashish - PANDEY, Dwijendra N. Controllability Results for Non Densely Defined Impulsive Fractional Differential Equations in Abstract Space. In Differential Equations and Dynamical Systems. ISSN 09713514, 2019-01-01., Registrované v: SCOPUS

ADCA244 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Fractional order differential switched systems with coupled nonlocal initial and impulsive conditions. In Bulletin des sciences mathématiques, 2017, vol. 141, no. 7, p. 727-746. (2016: 0.750 - IF, Q3 - JCR, 0.738 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0007-4497. Dostupné na: https://doi.org/10.1016/j.bulsci.2017.07.007

Citácie:

1. [1.1] ALI, Arshad - SHAH, Kamal - JARAD, Fahd - GUPTA, Vidushi - ABDELJAWAD, Thabet. Existence and stability analysis to a coupled system of implicit type impulsive boundary value problems of fractional-order differential equations. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS

2. [1.1] ALI, Sajjad - ABDELJAWAD, Thabet - SHAH, Kamal - JARAD, Fahd - ARIF, Muhammad. Computation of iterative solutions along with stability analysis to a coupled system of fractional order differential equations. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS

3. [1.1] ALI, Sajjad - SHAH, Kamal - JARAD, Fahd. On stable iterative solutions for a class of boundary value problem of nonlinear fractional order differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 3, pp. 969-981., Registrované v: WOS

4. [1.1] ALI, Sajjad - SHAH, Kamal - KHAN, Hassan - ARIF, Muhammad - MAHMOOD, Shahid. Monotone iterative technique and Ulam-Hyers stability analysis for nonlinear fractional order differential equations with integral boundary value conditions. In EUROPEAN JOURNAL OF PURE AND APPLIED MATHEMATICS. ISSN 1307-5543, 2019, vol. 12, no. 2, pp. 432-447., Registrované v: WOS

5. [1.1] ASMA - ALI, Arshad - SHAH, Kamal - JARAD, Fahd. Ulam-Hyers stability analysis to a class of nonlinear implicit impulsive fractional differential equations with three point boundary conditions. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS

6. [1.1] BIN, Maojun. Time optimal control for semilinear fractional evolution feedback control systems. In OPTIMIZATION. ISSN 0233-1934, 2019, vol. 68, no. 4, pp. 819-832., Registrované v: WOS

7. [1.1] DA COSTA SOUSA, Jose Vanterler - OLIVEIRA, Daniela dos Santos - DE OLIVEIRA, Edmundo Capelas. On the existence and stability for noninstantaneous impulsive fractional integrodifferential equation. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 4, pp. 1249-1261., Registrované v: WOS

8. [1.2] ALI, Zeeshan - ZADA, Akbar - SHAH, Kamal. On Ulam's Stability for a Coupled Systems of Nonlinear Implicit Fractional Differential Equations. In Bulletin of the Malaysian Mathematical Sciences Society. ISSN 01266705, 2019-09-15, 42, 5, pp. 2681-2699., Registrované v: SCOPUS

ADCA245 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Approximate controllability of Sobolev type fractional evolution systems with nonlocal conditions. In Evolution Equations and Control Theory, 2017, vol. 6, no. 3, p. 471-486. (2016: 0.826 - IF, Q2 - JCR, 0.999 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 2163-2480. Dostupné na: https://doi.org/10.3934/eect.2017024

Citácie:
1. [1.1] AHMED, Hamdy M. - EL-BORAI, Mahmoud M. - EL BAB, A. S. Okb - RAMADAN, M. Elsaid. Controllability and constrained controllability for nonlocal Hilfer fractional differential systems with Clarke';s subdifferential. In JOURNAL OF INEQUALITIES AND APPLICATIONS. ISSN 1029-242X, 2019, vol. 2019, no. 1., Registrované v: WOS
2. [1.1] BIN, Maojun. Time optimal control for semilinear fractional evolution feedback control systems. In OPTIMIZATION. ISSN 0233-1934, 2019, vol. 68, no. 4, pp. 819-832., Registrované v: WOS
3. [1.1] JI, Shaochun - YANG, Dandan. Solutions to Riemann-Liouville fractional integrodifferential equations via fractional resolvents. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, vol. 2019, no. 1., Registrované v: WOS

ADCA246 WANG, JinRong - IBRAHIM, Ahmed Gamal - FEČKAN, Michal. Nonlocal impulsive fractional differential inclusions with fractional sectorial operators on Banach spaces. In Applied Mathematics and Computation, 2015, vol. 257, p. 103-118. (2014: 1.551 - IF, Q1 - JCR, 0.961 - SJR, Q2 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0096-3003. Dostupné na: https://doi.org/10.1016/j.amc.2014.04.093

Citácie:
1. [1.1] ABBAS, Said - BENCHOHRA, Mouffak - LALEDJ, Nadjet - ZHOU, Yong. Existence and Ulam stability for implicit fractional q-difference equations. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, vol. 2019, no. 1., Registrované v: WOS
2. [1.1] AIMENE, D. - BALEANU, D. - SEBA, D. Controllability of semilinear impulsive Atangana-Baleanu fractional differential equations with delay. In CHAOS SOLITONS & FRACTALS. ISSN 0960-0779, 2019, vol. 128, no., pp. 51-57., Registrované v: WOS
3. [1.1] ALI, Sajjad - SHAH, Kamal - JARAD, Fahd. On stable iterative solutions for a class of boundary value problem of nonlinear fractional order differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 3, p. 969-981., Registrované v: WOS
4. [1.1] BORAH, Jayanta - BORA, Swaroop Nandan. EXISTENCE OF MILD SOLUTION OF A CLASS OF NONLOCAL FRACTIONAL ORDER DIFFERENTIAL EQUATION WITH NOT INSTANTANEOUS IMPULSES. In FRACTIONAL CALCULUS AND APPLIED ANALYSIS. ISSN 1311-0454, 2019, vol. 22, no. 2, pp. 495-508., Registrované v: WOS
5. [1.1] CHADHA, Alka - SAKTHIVEL, Rathinasamy - BORA, Swaroop Nandan. Solvability of control problem for fractional nonlinear differential inclusions with nonlocal conditions. In NONLINEAR ANALYSIS-MODELLING AND CONTROL. ISSN 1392-5113, 2019, vol. 24, no. 4, pp. 503-522., Registrované v: WOS
6. [1.1] DO LAN. Decay Solutions and Decay Rate for a Class of Retarded Abtract Semilinear Fractional Evolution Inclusions. In TAIWANESE JOURNAL OF MATHEMATICS. ISSN 1027-5487, 2019, vol. 23, no. 3, pp. 625-651., Registrované v: WOS
7. [1.1] HANNABOU, Mohamed - KHALID, Hilal. Investigation of a Mild Solution to Coupled Systems of Impulsive Hybrid Fractional Differential Equations. In INTERNATIONAL JOURNAL OF DIFFERENTIAL EQUATIONS. ISSN 1687-9643, 2019, vol. 2019., Registrované v: WOS

8. [1.1] WU, Shaofei. Nonlinear information data mining based on time series for fractional differential operators. In CHAOS. ISSN 1054-1500, 2019, vol. 29, no. 1., Registrované v: WOS
9. [1.1] ZEID, Samaneh Soradi. Approximation methods for solving fractional equations. In CHAOS SOLITONS & FRACTALS. ISSN 0960-0779, 2019, vol. 125, no., pp. 171-193., Registrované v: WOS
10. [1.1] ZHANG, Xuping - GOU, Haide - LI, Yongxiang. Existence Results of Mild Solutions for Impulsive Fractional Integrodifferential Evolution Equations With Nonlocal Conditions. In INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION. ISSN 1565-1339, 2019, vol. 20, no. 1, pp. 1-16., Registrované v: WOS
11. [1.1] ZHOU, Yong - SUGANYA, S. - ARJUNAN, M. Mallika - AHMAD, B. Approximate controllability of impulsive fractional integro-differential equation with state-dependent delay in Hilbert spaces. In IMA JOURNAL OF MATHEMATICAL CONTROL AND INFORMATION. ISSN 0265-0754, 2019, vol. 36, no. 2, pp. 603-622., Registrované v: WOS

ADCA247 WANG, JinRong - ZHOU, Yong - FEČKAN, Michal. On the nonlocal Cauchy problem for semilinear fractional order evolution equations. In Central European Journal of Mathematics, 2014, vol. 12, no. 6, p. 911-922. (2013: 0.519 - IF, Q3 - JCR, karentované - CCC). (2014 - Current Contents). ISSN 1895-1074. Dostupné na: https://doi.org/10.2478/s11533-013-0381-y

Citácie:
1. [1.1] AHMAD, Bashir - ALGHAMDI, Najla - ALSAEDI, Ahmed - NTOUYAS, Sotiris K. Existence theory for a system of coupled multi-term fractional differential equations with integral multi-strip coupled boundary conditions. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019., Registrované v: WOS
2. [1.1] ALSAEDI, Ahmed - AHMAD, Bashir - ALJOUDI, Shorog - NTOUYAS, Sotiris K. A STUDY OF A FULLY COUPLED TWO-PARAMETER SYSTEM OF SEQUENTIAL FRACTIONAL INTEGRO-DIFFERENTIAL EQUATIONS WITH NONLOCAL INTEGRO-MULTIPOINT BOUNDARY CONDITIONS. In ACTA MATHEMATICA SCIENTIA. ISSN 0252-9602, 2019, vol. 39, no. 4, pp. 927-944., Registrované v: WOS
3. [1.1] MAHMUDOV, Nazim I. - AL-KHATEEB, Areen. Existence and Ulam-Hyers stability of coupled sequential fractional differential equations with integral boundary conditions. In JOURNAL OF INEQUALITIES AND APPLICATIONS. ISSN 1029-242X, 2019., Registrované v: WOS
4. [1.2] MAHMUDOV, N. I. - AWADALLA, M. On sequential fractional differential equations with nonlocal integral boundary conditions. In Journal of Computational Analysis and Applications. ISSN 15211398, 2019-04-01, 26, 4, pp. 628-638., Registrované v: SCOPUS

ADCA248 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Center stable manifold for planar fractional damped equations. In Applied Mathematics and Computation, 2017, vol. 296, p. 257-269. (2016: 1.738 - IF, Q1 - JCR, 0.944 - SJR, Q1 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 0096-3003. Dostupné na: https://doi.org/10.1016/j.amc.2016.10.014

Citácie:
1. [1.1] LI, Xiuwen - LIU, Zhenhai - LI, Jing - TISDELL, Chris. EXISTENCE AND CONTROLLABILITY FOR NONLINEAR FRACTIONAL CONTROL SYSTEMS WITH DAMPING IN HILBERT SPACES. In ACTA MATHEMATICA SCIENTIA. ISSN 0252-9602, 2019, vol. 39, no. 1, pp. 229-242., Registrované v: WOS
2. [1.1] REN, Jing - ZHAI, Chengbo. Unique Solutions for Fractional q-Difference Boundary Value Problems Via a Fixed Point Method. In BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY. ISSN 0126-6705, 2019, vol. 42, no. 4, pp. 1507-1521., Registrované v: WOS

ADCA249 WANG, JinRong - FEČKAN, Michal - TIAN, Ying. Stability analysis for a general class of non-instantaneous impulsive differential equations. In Mediterranean Journal of Mathematics, 2017, vol. 14, no. 2, art. no. 46. (2016: 0.868 - IF, Q2 - JCR, 0.655 - SJR, Q2 - SJR, karentované - CCC). (2017 - Current Contents). ISSN 1660-5446. Dostupné na: https://doi.org/10.1007/s00009-017-0867-0

Citácie:
1. [1.1] ASMA - ALI, Arshad - SHAH, Kamal - JARAD, Fahd. Ulam-Hyers stability analysis to a class of nonlinear implicit impulsive fractional differential equations with three point boundary conditions. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS
2. [1.1] BUSE, Constantin - O';REGAN, Donal - SAIERLI, Olivia. Hyers-Ulam Stability for Linear Differences with Time Dependent and Periodic Coefficients. In SYMMETRY-BASEL, 2019, vol. 11, no. 4, pp., Registrované v: WOS
3. [1.1] CHEN, Pengyu - ZHANG, Xuping - LI, Yongxiang. Non-autonomous parabolic evolution equations with non-instantaneous impulses governed by noncompact evolution families. In JOURNAL OF FIXED POINT THEORY AND APPLICATIONS. ISSN 1661-7738, 2019, vol. 21, no. 3., Registrované v: WOS
4. [1.1] SHAH, Syed Omar - ZADA, Akbar - HAMZA, Alaa E. Stability Analysis of the First Order Non-linear Impulsive Time Varying Delay Dynamic System on Time Scales. In QUALITATIVE THEORY OF DYNAMICAL SYSTEMS. ISSN 1575-5460, 2019, vol. 18, no. 3, pp. 825-840., Registrované v: WOS
5. [1.1] SHAH, Syed Omar - ZADA, Akbar. Existence, uniqueness and stability of solution to mixed integral dynamic systems with instantaneous and noninstantaneous impulses on time scales. In APPLIED MATHEMATICS AND COMPUTATION. ISSN 0096-3003, 2019, vol. 359, no., pp. 202-213., Registrované v: WOS
6. [1.1] WANG, Xiaoming - ARIF, Muhammad - ZADA, Akbar. beta-Hyers-Ulam-Rassias Stability of Semilinear Nonautonomous Impulsive System. In SYMMETRY-BASEL, 2019, vol. 11, no. 2., Registrované v: WOS

ADCA250 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Relaxed controls for nonlinear fractional impulsive evolution equations. In Journal of Optimization Theory and Applications, 2013, vol. 156, no. 1, p. 13-32. (2012: 1.423 - IF, Q1 - JCR, 1.240 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0022-3239. Dostupné na: https://doi.org/10.1007/s10957-012-0170-y

Citácie:
1. [1.1] ASAWASAMRIT, Suphawat - THADANG, Yasintorn - NTOUYAS, Sotiris K. - TARIBOON, Jessada. Mixed-order impulsive ordinary and fractional differential equations with initial conditions. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS

2. [1.1] GOU, Haide - LI, Baolin. Study a class of nonlinear fractional non-autonomous evolution equations with delay. In JOURNAL OF PSEUDO-DIFFERENTIAL OPERATORS AND APPLICATIONS. ISSN 1662-9981, 2019, vol. 10, no. 1, pp. 155-176., Registrované v: WOS

ADCA251 WANG, JinRong - ZHOU, Yong - FEČKAN, Michal. Abstract Cauchy problem for fractional differential equations. In Nonlinear Dynamics, 2013, vol. 71, no. 4, p. 685-700. (2012: 3.009 - IF, Q1 - JCR, 0.873 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0924-090X. Dostupné na: https://doi.org/10.1007/s11071-012-0452-9

Citácie:

1. [1.1] CAO, Yuan - ZHANG, Yuzhuo - WEN, Tao - LI, Peng. Research on dynamic nonlinear input prediction of fault diagnosis based on fractional differential operator equation in high-speed train control system. In CHAOS. ISSN 1054-1500, 2019, vol. 29, no. 1., Registrované v: WOS

2. [1.1] CHEN, Pengyu - ZHANG, Xuping - LI, Yongxiang. Fractional non-autonomous evolution equation with nonlocal conditions. In JOURNAL OF PSEUDO-DIFFERENTIAL OPERATORS AND APPLICATIONS. ISSN 1662-9981, 2019, vol. 10, no. 4, pp. 955-973., Registrované v: WOS

3. [1.1] ZHANG, Quanguo - LI, Yaning. The critical exponents for a time fractional diffusion equation with nonlinear memory in a bounded domain. In APPLIED MATHEMATICS LETTERS. ISSN 0893-9659, 2019, vol. 92, no., pp. 1-7., Registrované v: WOS

4. [1.1] ZHANG, Quanguo - SUN, Hong-Rui - LI, Yaning. Global existence and blow-up of solutions of the Cauchy problem for a time fractional diffusion system. In COMPUTERS & MATHEMATICS WITH APPLICATIONS. ISSN 0898-1221, 2019, vol. 78, no. 5, pp. 1357-1366., Registrované v: WOS

5. [1.1] ZHU, Tao. Existence and uniqueness of positive solutions for fractional differential equations. In BOUNDARY VALUE PROBLEMS. ISSN 1687-2770, 2019., Registrované v: WOS

6. [1.2] GOU, Haide - LI, Baolin. Study a class of nonlinear fractional non-autonomous evolution equations with delay. In Journal of Pseudo-Differential Operators and Applications. ISSN 16629981, 2019-03-08, 10, 1, pp. 155-176., Registrované v: SCOPUS

ADCA252 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Presentation of solutions of impulsive fractional Langevin equations and existence results. In The European Physical Journal Special Topics, 2013, vol. 222, no. 8, p. 1857-1874. (2012: 1.796 - IF, Q2 - JCR, 0.924 - SJR, Q1 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 1951-6355. Dostupné na: https://doi.org/10.1140/epjst/e2013-01969-9

Citácie:

1. [1.1] GAO, Dongdong - LI, Jianli. Existence Results for Impulsive Fractional Differential Inclusions with Two Different Caputo Fractional Derivatives. In DISCRETE DYNAMICS IN NATURE AND SOCIETY. ISSN 1026-0226, 2019., Registrované v: WOS

2. [1.1] LI, Fang - ZENG, Hongjuan - WANG, Huiwen. Anti-Periodic Boundary Value Problems for Nonlinear Langevin Fractional Differential Equations. In SYMMETRY-BASEL, 2019, vol. 11, no. 4., Registrované v: WOS

3. [1.1] LIU, Yuji - AGARWAL, Ravi. Existence of solutions of BVPs for impulsive fractional Langevin equations involving Caputo fractional derivatives. In TURKISH JOURNAL OF MATHEMATICS. ISSN 1300-0098, 2019, vol. 43, no. 5, pp. 2451-2472., Registrované v: WOS

4. [1.1] LIU, Yuji - AGARWAL, Ravi. PIECEWISE CONTINUOUS SOLUTIONS OF IMPULSIVE LANGEVIN TYPE EQUATIONS INVOLVING TWO CAPUTO FRACTIONAL DERIVATIVES AND APPLICATIONS. In DYNAMIC SYSTEMS AND APPLICATIONS. ISSN 1056-2176, 2019, vol. 28, no. 2, pp. 409-439., Registrované v: WOS
5. [1.1] LIU, Yuji. A new method for converting boundary value problems for impulsive fractional differential equations to integral equations and its applications. In ADVANCES IN NONLINEAR ANALYSIS. ISSN 2191-9496, 2019, vol. 8, no. 1, pp. 386-454., Registrované v: WOS
6. [1.1] LONG, Teng - LI, Chengfu - HE, Jiawei. Existence of positive solutions for period BVPs with Hilfer derivative. In JOURNAL OF APPLIED MATHEMATICS AND COMPUTING. ISSN 1598-5865, 2019, vol. 60, no. 1-2, pp. 223-236., Registrované v: WOS
7. [1.1] WANG, Yupin - SUN, Shurong. Existence, uniqueness and E-q-Ulam type stability of fuzzy fractional differential equations with parameters. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 36, no. 6, pp. 5533-5545., Registrované v: WOS

ADCA253 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Ulam's type stability of impulsive ordinary differential equations. In Journal of Mathematical Analysis and Applications, 2012, vol. 395, no. 1, p. 258-264. (2011: 1.001 - IF, Q1 - JCR, 1.578 - SJR, Q1 - SJR, karentované - CCC). (2012 - Current Contents). ISSN 0022-247X. Dostupné na: https://doi.org/10.1016/j.jmaa.2012.05.040

Citácie:
1. [1.1] AGARWAL, Ravi - HRISTOVA, Snezhana - O';REGAN, Donal. ULAM TYPE STABILITY RESULTS FOR NON-INSTANTANEOUS IMPULSIVE DIFFERENTIAL EQUATIONS WITH FINITE STATE DEPENDENT DELAY. In DYNAMIC SYSTEMS AND APPLICATIONS. ISSN 1056-2176, 2019, vol. 28, no. 1, pp. 47-61., Registrované v: WOS
2. [1.1] BISHOP, S. A. - IYASE, S. A. - OKAGBUE, H. I. Stability of well-posed stochastic evolution equation. In HELIYON. ISSN 2405-8440, 2019, vol. 5, no. 11., Registrované v: WOS
3. [1.1] BUTT, Rabia Ilyas - ABDELJAWAD, Thabet - ALQUDAH, Manar A. - REHMAN, Mujeeb Ur. Ulam stability of Caputo q-fractional delay difference equation: q-fractional Gronwall inequality approach. In JOURNAL OF INEQUALITIES AND APPLICATIONS. ISSN 1029-242X, 2019, vol. 2019, no. 1., Registrované v: WOS
4. [1.1] DA COSTA SOUSA, Jose Vanterler - OLIVEIRA, Daniela dos Santos - DE OLIVEIRA, Edmundo Capelas. On the existence and stability for noninstantaneous impulsive fractional integrodifferential equation. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 4, pp. 1249-1261., Registrované v: WOS
5. [1.1] GOU, Haide - LI, Baolin. Study a class of nonlinear fractional non-autonomous evolution equations with delay. In JOURNAL OF PSEUDO-DIFFERENTIAL OPERATORS AND APPLICATIONS. ISSN 1662-9981, 2019, vol. 10, no. 1, pp. 155-176., Registrované v: WOS
6. [1.1] HOUAS, Mohamed - BEZZIOU, Mohamed. EXISTENCE AND STABILITY RESULTS FOR FRACTIONAL DIFFERENTIAL EQUATIONS WITH TWO CAPUTO FRACTIONAL DERIVATIVES. In FACTA UNIVERSITATIS-SERIES MATHEMATICS AND INFORMATICS. ISSN 0352-9665, 2019, vol. 34, no. 2, pp. 341-357., Registrované v: WOS

7. [1.1] KUMAR, Vipin - MALIK, Muslim. Existence and stability of fractional integro differential equation with non-instantaneous integrable impulses and periodic boundary condition on time scales. In JOURNAL OF KING SAUD UNIVERSITY SCIENCE. ISSN 1018-3647, 2019, vol. 31, no. 4, pp. 1311-1317., Registrované v: WOS
8. [1.1] KUMAR, Vipin - MALIK, Muslim. STABILITY AND CONTROLLABILITY RESULTS OF EVOLUTION SYSTEM WITH IMPULSIVE CONDITION ON TIME SCALES. In DIFFERENTIAL EQUATIONS & APPLICATIONS. ISSN 1847-120X, 2019, vol. 11, no. 4, pp. 543-561., Registrované v: WOS
9. [1.1] LI, Shuang - SHU, Linxin - SHU, Xiao-Bao - XU, Fei. Existence and Hyers-Ulam stability of random impulsive stochastic functional differential equations with finite delays. In STOCHASTICS-AN INTERNATIONAL JOURNAL OF PROBABILITY AND STOCHASTIC PROCESSES. ISSN 1744-2508, 2019, vol. 91, no. 6, pp. 857-872., Registrované v: WOS
10. [1.1] LI, Yongxiang - GOU, Haide. MIXED MONOTONE ITERATIVE TECHNIQUE FOR SEMILINEAR IMPULSIVE FRACTIONAL EVOLUTION EQUATIONS. In JOURNAL OF APPLIED ANALYSIS AND COMPUTATION. ISSN 2156-907X, 2019, vol. 9, no. 4, pp. 1216-1241., Registrované v: WOS
11. [1.1] NAM, Young Woo. Hyers-Ulam stability of loxodromic Mobius difference equation. In APPLIED MATHEMATICS AND COMPUTATION. ISSN 0096-3003, 2019, vol. 356, no., pp. 119-136., Registrované v: WOS
12. [1.1] NIAZI, Azmat Ullah Khan - WEI, Jiang - REHMAN, Mujeeb Ur - JUN, Du. Ulam-Hyers-Stability for nonlinear fractional neutral differential equations. In HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS. ISSN 1303-5010, 2019, vol. 48, no. 1, pp. 157-169., Registrované v: WOS
13. [1.1] RIZWAN, Rizwan - ZADA, Akbar - WANG, Xiaoming. Stability analysis of nonlinear implicit fractional Langevin equation with noninstantaneous impulses. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS
14. [1.1] RIZWAN, Rizwan - ZADA, Akbar. Nonlinear impulsive Langevin equation with mixed derivatives. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019., Registrované v: WOS
15. [1.1] RIZWAN, Rizwan. Existence Theory and Stability Analysis of Fractional Langevin Equation. In INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION. ISSN 1565-1339, 2019, vol. 20, no. 7-8, pp. 833-848., Registrované v: WOS
16. [1.1] SATCO, Bianca-Renata. Ulam-type stability for differential equations driven by measures. In MATHEMATISCHE NACHRICHTEN. ISSN 0025-584X, 2019., Registrované v: WOS
17. [1.1] SHAH, Kamal - HUSSAIN, Wajid. Investigating a Class of Nonlinear Fractional Differential Equations and Its Hyers-Ulam Stability by Means of Topological Degree Theory. In NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION. ISSN 0163-0563, 2019, vol. 40, no. 12, pp. 1355-1372., Registrované v: WOS
18. [1.1] SHAH, Kamal - SHAH, Liaqat - AHMAD, Saeed - RASSIAS, John Michael - LI, Yongjin. Monotone iterative techniques together with Hyers-Ulam-Rassias stability. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019., Registrované v: WOS

19. [1.1] SHAH, Syed Omar - ZADA, Akbar - HAMZA, Alaa E. Stability Analysis of the First Order Non-linear Impulsive Time Varying Delay Dynamic System on Time Scales. In QUALITATIVE THEORY OF DYNAMICAL SYSTEMS. ISSN 1575-5460, 2019, vol. 18, no. 3, pp. 825-840., Registrované v: WOS
20. [1.1] SHAH, Syed Omar - ZADA, Akbar. Existence, uniqueness and stability of solution to mixed integral dynamic systems with instantaneous and noninstantaneous impulses on time scales. In APPLIED MATHEMATICS AND COMPUTATION. ISSN 0096-3003, 2019, vol. 359, no., pp. 202-213., Registrované v: WOS
21. [1.1] SHAH, Syed Omar - ZADA, Akbar. On the Stability Analysis of Non-Linear Hammerstein Impulsive Integro-Dynamic System on Time Scales with Delay. In PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS. ISSN 1016-2526, 2019, vol. 51, no. 7, pp. 89-98., Registrované v: WOS
22. [1.1] SHAH, Syed Omar - ZADA, Akbar. The Ulam stability of non-linear Volterra integro-dynamic equations on time scales. In NOTE DI MATEMATICA. ISSN 1123-2536, 2019, vol. 39, no. 2, pp. 57-69., Registrované v: WOS
23. [1.1] SOUSA, Jose Vanterler da C. - KUCCHE, Kishor D. - DE OLIVEIRA, Edmundo Capelas. On the Ulam-Hyers stabilities of the solutions of psi-Hilfer fractional differential equation with abstract Volterra operator. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 9, pp. 3021-3032., Registrované v: WOS
24. [1.1] VIVEK, D. - ELSAYED, E. M. - KANAGARAJAN, K. THEORY AND ANALYSIS OF PARTIAL DIFFERENTIAL EQUATIONS WITH A psi-CAPUTO FRACTIONAL DERIVATIVE. In ROCKY MOUNTAIN JOURNAL OF MATHEMATICS. ISSN 0035-7596, 2019, vol. 49, no. 4, pp. 1355-1370., Registrované v: WOS
25. [1.1] WANG, Xiaoming - ARIF, Muhammad - ZADA, Akbar. beta-Hyers-Ulam-Rassias Stability of Semilinear Nonautonomous Impulsive System. In SYMMETRY-BASEL, 2019, vol. 11, no. 2., Registrované v: WOS
26. [1.1] ZADA, Akbar - RIZWAN, Rizwan - XU, Jiafa - FU, Zhengqing. On implicit impulsive Langevin equation involving mixed order derivatives. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, vol. 2019, no. 1., Registrované v: WOS
27. [1.1] ZADA, Akbar - SHALEENA, Shaleena - LI, Tongxing. Stability analysis of higher order nonlinear differential equations in beta-normed spaces. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 4, pp. 1151-1166., Registrované v: WOS
28. [1.1] ZHANG, Xuping - GOU, Haide - LI, Yongxiang. Existence Results of Mild Solutions for Impulsive Fractional Integrodifferential Evolution Equations With Nonlocal Conditions. In INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION. ISSN 1565-1339, 2019, vol. 20, no. 1, pp. 1-16., Registrované v: WOS

ADCA254 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. A survey on impulsive fractional differential equations. In Fractional Calculus and Applied Analysis, 2016, vol. 19, no. 4, p. 806-831. (2015: 2.246 - IF, Q1 - JCR, 1.551 - SJR, Q1 - SJR, karentované - CCC). (2016 - Current Contents). ISSN 1311-0454. Dostupné na: https://doi.org/10.1515/fca-2016-0044

Citácie:
1. [1.1] AHMAD, Bashir - ALGHANMI, Madeaha - NIETO, Juan J. - ALSAEDI, Ahmed. On impulsive nonlocal integro-initial value problems involving multi-order Caputo-type generalized fractional derivatives and generalized fractional integrals. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS
2. [1.1] AHMED, Hamdy M. - EL-BORAI, Mahmoud M. - EL BAB, A. S. Okb - RAMADAN, M. Elsaid. Controllability and constrained controllability for nonlocal Hilfer fractional differential systems with Clarke';s subdifferential. In JOURNAL OF INEQUALITIES AND APPLICATIONS. ISSN 1029-242X, 2019, vol. 2019, no. 1., Registrované v: WOS
3. [1.1] ALI, A. - SHAH, K. - BALEANU, D. Ulam stability results to a class of nonlinear implicit boundary value problems of impulsive fractional differential equations. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS
4. [1.1] ALI, Sajjad - SHAH, Kamal - JARAD, Fahd. On stable iterative solutions for a class of boundary value problem of nonlinear fractional order differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 3, pp. 969-981., Registrované v: WOS
5. [1.1] CHAI, Guoqing - LIU, Weiming. Existence and multiplicity of solutions for fractional Hamiltonian systems. In BOUNDARY VALUE PROBLEMS. ISSN 1687-2770, 2019., Registrované v: WOS
6. [1.1] HUANG, Yong - LIU, Zhenhai. CONTROLLABILITY OF NONLINEAR IMPULSIVE INTEGRO-DIFFERENTIAL FRACTIONAL TIME-INVARIANT SYSTEMS. In JOURNAL OF INTEGRAL EQUATIONS AND APPLICATIONS. ISSN 0897-3962, 2019, vol. 31, no. 3, pp. 329-341., Registrované v: WOS
7. [1.1] JAIN, Rupali Shikharchnad - REDDY, Buruju Surendranath - KADAM, Sandhyatai Digambarrao. On Approximate Solutions Of Impulsive Fractional Differential Equations. In APPLIED MATHEMATICS E-NOTES, 2019, vol. 19, no., pp. 27-37., Registrované v: WOS
8. [1.1] KHAN, Hasib - KHAN, Aziz - ABDELJAWAD, Thabet - ALKHAZZAN, Abdulwasea. Existence results in Banach space for a nonlinear impulsive system. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS
9. [1.1] LI, Shunyong - ZHAI, Chengbo. Positive solutions for a new class of Hadamard fractional differential equations on infinite intervals. In JOURNAL OF INEQUALITIES AND APPLICATIONS. ISSN 1029-242X, 2019., Registrované v: WOS
10. [1.1] REN, Jing - ZHAI, Chengbo. Nonlocal q-fractional boundary value problem with Stieltjes integral conditions. In NONLINEAR ANALYSIS-MODELLING AND CONTROL. ISSN 1392-5113, 2019, vol. 24, no. 4, pp. 582-602., Registrované v: WOS
11. [1.1] SANDEV, Trifce - PETRESKA, Irina - LENZI, Ervin K. Constrained quantum motion in delta-potential and application of a generalized integral operator. In COMPUTERS & MATHEMATICS WITH APPLICATIONS. ISSN 0898-1221, 2019, vol. 78, no. 5, pp. 1695-1704., Registrované v: WOS
12. [1.1] SOUSA, J. Vanterler da C. - KUCCHE, Kishor D. - CAPELAS DE OLIVEIRA, E. Stability of psi-Hilfer impulsive fractional differential equations. In APPLIED MATHEMATICS LETTERS. ISSN 0893-9659, 2019, vol. 88, no., pp. 73-80., Registrované v: WOS

13. [1.1] SOUSA, Jose Vanterler da C. - KUCCHE, Kishor D. - DE OLIVEIRA, Edmundo Capelas. On the Ulam-Hyers stabilities of the solutions of psi-Hilfer fractional differential equation with abstract Volterra operator. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 9, pp. 3021-3032., Registrované v: WOS
14. [1.1] SOUSA, Jose Vanterler da C. - RODRIGUES, Fabio G. - DE OLIVEIRA, Edmundo Capelas. Stability of the fractional Volterra integro-differential equation by means of psi-Hilfer operator. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 9, pp. 3033-3043., Registrované v: WOS
15. [1.1] STAMOV, Gani - MARTYNYUK, Anatoliy - STAMOVA, Ivanka. Impulsive Fractional-Like Differential Equations: Practical Stability and Boundedness with Respect to h-Manifolds. In FRACTAL AND FRACTIONAL, 2019, vol. 3, no. 4., Registrované v: WOS
16. [1.1] STAMOV, Gani - STAMOVA, Ivanka - SPIROVA, Cvetelina. Reaction-Diffusion Impulsive Fractional-Order Bidirectional Neural Networks with Distributed Delays: Mittag-Leffler Stability Along Manifolds. In PROCEEDINGS OF THE 45TH INTERNATIONAL CONFERENCE ON APPLICATION OF MATHEMATICS IN ENGINEERING AND ECONOMICS (AMEE';19). ISSN 0094-243X, 2019, vol. 2172., Registrované v: WOS
17. [1.1] ZADA, Akbar - FATIMA, Shaheen - ALI, Zeeshan - XU, Jiafa - CUI, Yujun. Stability Results for a Coupled System of Impulsive Fractional Differential Equations. In MATHEMATICS, 2019, vol. 7, no. 10., Registrované v: WOS
18. [1.1] ZHAI, Chengbo - REN, Jing. A coupled system of fractional differential equations on the half-line. In BOUNDARY VALUE PROBLEMS. ISSN 1687-2770, 2019., Registrované v: WOS
19. [1.1] ZHAI, Chengbo - WANG, Weixuan. Properties of positive solutions for m-point fractional differential equations on an infinite interval. In REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS. ISSN 1578-7303, 2019, vol. 113, no. 2, pp. 1289-1298., Registrované v: WOS
20. [1.1] ZHAO, Kaihong - SUO, Leping - LIAO, Yongzhi. Boundary value problem for a class of fractional integro-differential coupled systems with Hadamard fractional calculus and impulses. In BOUNDARY VALUE PROBLEMS. ISSN 1687-2770, 2019., Registrované v: WOS
21. [1.1] ZHAO, Yulin - XU, Jiafa - CHEN, Haibo. Variational Methods for an Impulsive Fractional Differential Equations with Derivative Term. In MATHEMATICS, 2019, vol. 7, no. 10., Registrované v: WOS
22. [1.2] HRISTOVA, Snezhana - IVANOVA, Krasimira. Existence results for Riemann-Liouville fractional differential equations with non-instantaneous impulses (fractional derivative with fixed lower bound at the initial time). In AIP Conference Proceedings. ISSN 0094243X, 2019-10-02, 2159., Registrované v: SCOPUS
23. [2.1] AGARWAL, Ravi - HRISTOVA, Snezhana - O';REGAN, Donal. MITTAG-LEFFLER STABILITY FOR NON-INSTANTANEOUS IMPULSIVE CAPUTO FRACTIONAL DIFFERENTIAL EQUATIONS WITH DELAYS. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 3, pp. 583-598., Registrované v: WOS

ADCA255 WANG, JinRong - FEČKAN, Michal. A general class of impulsive evolution equations. In Topological Methods in Nonlinear Analysis, 2015, vol. 46, no. 2, p. 915-933. (2014: 0.477 - IF, Q3 - JCR, 0.581 - SJR, Q2 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 1230-3429. Dostupné na: https://doi.org/10.12775/TMNA.2015.072

Citácie:

1. [1.1] ASMA - ALI, Arshad - SHAH, Kamal - JARAD, Fahd. Ulam-Hyers stability analysis to a class of nonlinear implicit impulsive fractional differential equations with three point boundary conditions. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, art. no. 7., Registrované v: WOS

2. [1.1] BENCHOHRA, Mouffak - REZOUG, Noreddine - SAMET, Bessem - ZHOU, Yong. Second Order Semilinear Volterra-Type Integro-Differential Equations with Non-Instantaneous Impulses. In MATHEMATICS, 2019, vol. 7, no. 12., Registrované v: WOS

3. [1.1] DHAYAL, Rajesh - MALIK, Muslim - ABBAS, Syed. APPROXIMATE AND TRAJECTORY CONTROLLABILITY OF FRACTIONAL NEUTRAL DIFFERENTIAL EQUATION. In ADVANCES IN OPERATOR THEORY. ISSN 2538-225X, 2019, vol. 4, no. 4, pp. 802-804., Registrované v: WOS

4. [1.1] DHAYAL, Rajesh - MALIK, Muslim - ABBAS, Syed. Solvability and optimal controls of non-instantaneous impulsive stochastic neutral integro-differential equation driven by fractional Brownian motion. In AIMS MATHEMATICS, 2019, vol. 4, no. 3, pp. 663-683., Registrované v: WOS

5. [1.1] HANNABOU, Mohamed - KHALID, Hilal. Investigation of a Mild Solution to Coupled Systems of Impulsive Hybrid Fractional Differential Equations. In INTERNATIONAL JOURNAL OF DIFFERENTIAL EQUATIONS. ISSN 1687-9643, 2019, vol. 2019., Registrované v: WOS

6. [1.1] KUMAR, Vipin - MALIK, Muslim. Existence and stability of fractional integro differential equation with non-instantaneous integrable impulses and periodic boundary condition on time scales. In JOURNAL OF KING SAUD UNIVERSITY SCIENCE. ISSN 1018-3647, 2019, vol. 31, no. 4, pp. 1311-1317., Registrované v: WOS

7. [1.1] KUMAR, Vipin - MALIK, Muslim. Total controllability and observability for dynamic systems with non-instantaneous impulses on time scales. In ASIAN JOURNAL OF CONTROL. ISSN 1561-8625, vol. 2019., Registrované v: WOS

8. [1.1] MALIK, Muslim - DHAYAL, Rajesh - ABBAS, Syed - KUMAR, Avadhesh. Controllability of non-autonomous nonlinear differential system with non-instantaneous impulses. In REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS. ISSN 1578-7303, 2019, vol. 113, no. 1, p. 103-118., Registrované v: WOS

9. [1.1] WANG, Xiaoming - ARIF, Muhammad - ZADA, Akbar. beta-Hyers-Ulam-Rassias Stability of Semilinear Nonautonomous Impulsive System. In SYMMETRY-BASEL, 2019, vol. 11, no. 2., Registrované v: WOS

10. [1.2] MALIK, Muslim - DHAYAL, Rajesh - ABBAS, Syed. Exact controllability of a retarded fractional differential equation with non-instantaneous impulses. In Dynamics of Continuous, Discrete and Impulsive Systems Series B: Applications and Algorithms. ISSN 14928760, 2019-01-01, 26, 1, pp. 53-69., Registrované v: SCOPUS

11. [1.2] SASTRY, M. V.S.S.B.B.K. - DEEKSHITULU, G. V.S.R. Second order stochastic partial integro differential equations with delay and impulses. In Communications on Stochastic Analysis. ISSN 09739599, 2019-01-01, 13, 2, pp. 103-123., Registrované v: SCOPUS

12. [2.1] AGARWAL, Ravi - HRISTOVA, Snezhana - O';REGAN, Donal. MITTAG-LEFFLER STABILITY FOR NON-INSTANTANEOUS IMPULSIVE CAPUTO FRACTIONAL DIFFERENTIAL EQUATIONS WITH DELAYS. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 3, pp. 583-598., Registrované v: WOS

ADCA256 WIMMER, Gejza - WITKOVSKÝ, Viktor - DUBY, T. Proper rounding of the measurement results under normality assumptions. In Measurement Science and Technology, 2000, vol. 11, p. 1659-1665. (1999: 0.850 - IF, karentované - CCC). (2000 - Current Contents). ISSN 0957-0233. Dostupné na: https://doi.org/10.1088/0957-0233/11/12/302

Citácie:

1. [1.1] ANDRIS, Peter - EMERY, Earl F. - FROLLO, Ivan. Analysis of NMR Spectrometer Receiver Noise Figure. In MATHEMATICAL PROBLEMS IN ENGINEERING. ISSN 1024-123X, 2019, art. no. 1083706, Published: 2019, Registrované v: WOS

ADCA257 WITKOVSKÝ, Viktor - WIMMER, Gejza - ĎURIŠ, S. On statistical methods for common mean and reference confidence intervals in interlaboratory comparisons for temperature. In International Journal of Thermophysics, 2015, vol. 36, no. 8, p. 2150-2171. (2014: 0.963 - IF, Q3 - JCR, 0.465 - SJR, Q3 - SJR, karentované - CCC). (2015 - Current Contents). ISSN 0195-928X. Dostupné na: https://doi.org/10.1007/s10765-015-1917-0

Citácie:

1. [2.1] KLIMENT, Tomas - MARKOVIC, Jaromir - SMIGURA, Dusan - ADAM, Peter. Diagnosis of the Accuracy of the Vehicle Scale Using Neural Network. In MEASUREMENT SCIENCE REVIEW. ISSN 1335-8871, 2019, vol. 19, no. 1, pp. 14-19., Registrované v: WOS

2. [2.1] STEJSKAL, Tomas - DOVICA, Miroslav - KELEMENOVA, Tatiana - POLASCAKOVA, Dominika - JAKUBKOVIC, Eduard - POVAZAN, Michal - ONDOCKO, Stefan. Measurement of Maximum Deviation from Roundness Based on the Inverse Kinematics Principle. In MEASUREMENT SCIENCE REVIEW. ISSN 1335-8871, 2019, vol. 19, no. 6, pp. 271-278., Registrované v: WOS

ADCA258 YANG, Peng - WANG, JinRong** - FEČKAN, Michal. Periodic nonautonomous differential equations with noninstantaneous impulsive effects. In Mathematical Methods in the Applied Sciences, 2019, vol. 42, p. 3700-3720. (2018: 1.533 - IF, Q2 - JCR, 0.666 - SJR, Q1 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 0170-4214. Dostupné na: https://doi.org/10.1002/mma.5606

Citácie:

1. [1.1] REN, Teng - XIAO, Helu - ZHOU, Zhongbao - ZHANG, Xinguang - XING, Lining - WANG, Zhongwei - CUI, Yujun. The Iterative Scheme and the Convergence Analysis of Unique Solution for a Singular Fractional Differential Equation from the Eco-Economic Complex System';s Co-Evolution Process. In COMPLEXITY. ISSN 1076-2787, 2019, vol. 2019., Registrované v: WOS

ADCA259 YOU, Zhongli - WANG, JinRong** - ZHOU, Yong - FEČKAN, Michal. Representation of solutions and finite time stability for delay differential systems with impulsive effects. In International Journal of Nonlinear Sciences and Numerical Simulation, 2019, vol. 20, no. 2, p. 205-221. (2018: 1.033 - IF, Q3 - JCR, 0.288 - SJR, Q2 - SJR, karentované - CCC). (2019 - Current Contents). ISSN 1565-1339. Dostupné na: https://doi.org/10.1515/ijnsns-2018-0137

Citácie:

1. [1.2] YENIÇERIOĞLU, Ali Fuat. Stability of linear impulsive neutral delay differential equations with constant coefficients. In Journal of Mathematical Analysis and Applications. ISSN 0022247X, 2019-11-15, 479, 2, pp. 2196-2213., Registrované v: SCOPUS

ADCB Vedecké práce v zahraničných karentovaných časopisoch – neimpaktovaných

ADCB01 BATTELLI, F. - FEČKAN, Michal. An example of chaotic behaviour in presence of a sliding homoclinic orbit. In Annali di Matematica Pura ed Applicata, 2010, vol. 189, no. 4, s. 615-642. (2009: 0.901 - IF, Q1 - JCR, 1.268 - SJR, Q1 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 0373-3114. Dostupné na: https://doi.org/10.1007/s10231-010-0128-3

Citácie:

1. [1.1] FRANCA, M. - POSPISIL, M. New global bifurcation diagrams for piecewise smooth systems: Transversality of homoclinic points does not imply chaos. In JOURNAL OF DIFFERENTIAL EQUATIONS. ISSN 0022-0396, 2019, vol. 266, no. 2-3, pp. 1429-1461., Registrované v: WOS

2. [1.1] LI, Yurong - DU, Zhengdong. APPLYING BATTELLI-FECKAN';S METHOD TO TRANSVERSAL HETEROCLINIC BIFURCATION IN PIECEWISE SMOOTH SYSTEMS. In DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS-SERIES B. ISSN 1531-3492, 2019, vol. 24, no. 11, pp. 6025-6052., Registrované v: WOS

ADCB02 BERKA, T. - VAJTERŠIC, Marián. Parallel rare term vector replacement: Fast and effective dimensionality reduction for text. In Journal of Parallel and Distributed Computing, 2013, vol. 73, p. 341-351. (2012: 0.437 - SJR, karentované - CCC). (2013 - Current Contents). ISSN 0743-7315. Dostupné na: https://doi.org/10.1016/j.jpdc.2012.08.008

Citácie:

1. [1.1] TANG, Zhuo - XIAO, Wei - LU, Bin - ZUO, Youfei - ZHOU, Yuan - LI, Keqin. A Parallel Algorithm for Bayesian Text Classification Based on Noise Elimination and Dimension Reduction in Spark Computing Environment. In CLOUD COMPUTING CLOUD 2019. ISSN 0302-9743, 2019, vol. 11513, no., pp. 222-239., Registrované v: WOS

ADCB03 FOULIS, D.J. - PULMANNOVÁ, Sylvia. Logical connectives on lattice effect algebras. In Studia Logica, 2012, vol. 100, no. 6, p. 1291-1315. ISSN 0039-3215. Dostupné na: https://doi.org/10.1007/s11225-012-9454-3

Citácie:

1. [1.1] CHAJDA, Ivan - LAENGER, Helmut - PASEKA, Jan. The Logic of Lattice Effect Algebras Based on Induced Groupoids. In JOURNAL OF MULTIPLE-VALUED LOGIC AND SOFT COMPUTING. ISSN 1542-3980, 2019, vol. 33, no. 3, pp. 161-175., Registrované v: WOS

2. [1.1] SHARAFI, Amir Hossein - HORZOOEI, Rajb Ali. QUOTIENT STRUCTURES IN LATTICE EFFECT ALGEBRAS. In KYBERNETIKA. ISSN 0023-5954, 2019, vol. 55, no. 5, pp. 879-895., Registrované v: WOS
3. [1.2] RAFIEE RAD, Soroush - SHARAFI, Amir Hossein - SMETS, Sonja. A Complete Axiomatisation for the Logic of Lattice Effect Algebras. In International Journal of Theoretical Physics. ISSN 00207748, 2019-01-01., Registrované v: SCOPUS

ADCB04 GRUNEWALD, J. - KLEIN, J.R. - MACKO, Tibor. Operations on the A-theoretic nil-terms. In Journal of Topology, 2008, vol. 1, no. 2, p. 317-341. ISSN 1753-8416.

Citácie:

1. [1.1] GUNNARSSON, Thomas - STAFFELDT, Ross. Segal operations in the algebraic K-theory of topological spaces. In ANNALS OF K-THEORY. ISSN 2379-1683, 2019, vol. 4, no. 1, pp. 1-56., Registrované v: WOS

ADCB05 KOVÁCS, István - NEDELA, Roman. Decomposition of skew-morphisms of cyclic groups. In Ars Mathematica Contemporanea, 2011, vol. 4, p. 329-349. (2011 - Current Contents). ISSN 1855-3966.

Citácie:

1. [1.1] DU, Shaofei - HU, Kan. Skew-morphisms of cyclic 2-groups. In JOURNAL OF GROUP THEORY. ISSN 1433-5883, 2019, vol. 22, no. 4, p. 617-635., Registrované v: WOS

ADCB06 RIEČAN, Beloslav - BOYADZHIEVA, D. - ATANASSOV, K. On intuitionistic fuzzy subtraction related to intuitionistic fuzzy negation. In Notes on Intuitionistic Fuzzy Sets, 2009, vol. 15, no. 4, s. 9-14. ISSN 1310-4926.

Citácie:

1. [1.1] RANI, Dimple - GARG, Harish. Some modified results of the subtraction and division operations on interval neutrosophic sets. In JOURNAL OF EXPERIMENTAL & THEORETICAL ARTIFICIAL INTELLIGENCE. ISSN 0952-813X, 2019, vol. 31, no. 4, pp. 677-698., Registrované v: WOS

ADCB07 WIMMER, Gejza - ALTMANN, G. The multiple Poisson distribution, its characteristics an a variety of forms. In Biometrical Journal, 1996, vol. 38, s. 995-1011. ISSN 0323-3847.

Citácie:

1. [1.1] DA SILVA, Nathalia Buss - MATTAR CARCIOFI, Bruno Augusto - ELLOUZE, Mariem - BARANYI, Jozsef. Optimization of turbidity experiments to estimate the probability of growth for individual bacterial cells. In FOOD MICROBIOLOGY. ISSN 0740-0020, 2019, vol. 83, no., p. 109-112., Registrované v: WOS

ADDA Vedecké práce v domácich karentovaných časopisoch – impaktovaných

ADDA01 BUTKA, P. - PÓCS, Jozef. Generalization of one-sided concept lattices. In Computing and informatics, 2013, vol. 32, no. 2, p. 355-370. (2012: 0.254 - IF, Q4 - JCR, 0.242 - SJR, karentované - CCC). (2013 - Current Contents, WOS). ISSN 1335-9150.

Citácie:

1. [1.1] MAO, Hua - ZHENG, Zhen. The construction of fuzzy concept lattice based on weighted complete graph. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 36, no. 6, p. 5797-5805., Registrované v: WOS

2. [1.1] SHAO, Ming-Wen - WU, Wei-Zhi - WANG, Chang-Zhong. Axiomatic characterizations of adjoint generalized (dual) concept systems. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 37, no. 3, p. 3629-3638., Registrované v: WOS

ADEA Vedecké práce v ostatných zahraničných časopisoch – impaktovaných

ADEA01 BOCCUTO, A. - RIEČAN, Beloslav. The symmetric Choquet inegral with respect to Riesz-space-valued capacities. In Czechoslovak Mathematical Journal, 2008, vol. 58, s. 289-310. (2007: 0.155 - IF, Q4 - JCR, 0.376 - SJR, Q3 - SJR). ISSN 0011-4642.

Citácie:

1. [2.1] GAL, Sorin G. ON A CHOQUET-STIELTJES TYPE INTEGRAL ON INTERVALS. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 4, pp. 801-814., Registrované v: WOS

ADEA02 BREDA, A. - D´AZEVEDO, B.A. - MEDNYKH, A. - NEDELA, Roman. Enumeration of maps regardless of genus: Geometric approach. In Discrete Mathematics, 2010, vol. 310, s. 1184-1203. (2009: 0.548 - IF, Q3 - JCR, 0.914 - SJR, Q2 - SJR). ISSN 0012-365X. Dostupné na: https://doi.org/10.1016/j.disc.2009.11.017

Citácie:

1. [1.1] CIOBANU, Laura - KOLPAKOV, Alexander. Free subgroups of free products and combinatorial hypermaps. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 5, p. 1415-1433., Registrované v: WOS

2. [1.1] KRASKO, Evgeniy - OMELCHENKO, Alexander. Enumeration of r-regular maps on the torus. Part I: Rooted maps on the torus, the projective plane and the Klein bottle. Sensed maps on the torus. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 2, p. 584-599., Registrované v: WOS

3. [1.1] KRASKO, Evgeniy - OMELCHENKO, Alexander. Enumeration of r-regular maps on the torus. Part II: Unsensed maps. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 2, p. 600-614., Registrované v: WOS

4. [2.1] KRASKO, E. - OMELCHENKO, A. ENUMERATION OF UNSENSED ORIENTABLE AND NON-ORIENTABLE MAPS. In ACTA MATHEMATICA UNIVERSITATIS COMENIANAE. ISSN 0231-6986, 2019, vol. 88, no. 3, p. 885-890., Registrované v: WOS

ADEA03 BUKOVSKÝ, L. - RECLAW, I. - REPICKÝ, Miroslav. Spaces not distinguishing pointwise and quasinormal convergence of real functions. In Topology and its Applications, 1991, vol. 41, no. 1-2, p. 25-40. ISSN 0166-8641.

Citácie:

1. [1.1] SOTTOVA, Viera - SUPINA, Jaroslav. Principle S-1 (P, R): ideals and functions. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 258, no., pp. 282-304., Registrované v: WOS

ADEA04 BUKOVSKÝ, L. - RECLAW, I. - REPICKÝ, Miroslav. Spaces not distinguishing convergences of real-valued functions. In Topology and its Applications, 2001, vol. 112, no. 1, p. 13-40. ISSN 0166-8641.

Citácie:

1. [1.1] SOTTOVA, Viera - SUPINA, Jaroslav. Principle S-1 (P, R): ideals and functions. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 258, no., p. 282-304., Registrované v: WOS

ADEA05 DI MAIO, G. - HOLÁ, Ľubica - HOLÝ, Dušan - MCCOY, R.A. Topologies on the space of continuous functions. In Topology and its Applications, 1998, vol. 86, no. 2, p. 105-122. ISSN 0166-8641.

Citácie:

1. [1.1] JINDAL, A. - JINDAL, V. The regular topology on C(X, Y). In ACTA MATHEMATICA HUNGARICA. ISSN 0236-5294, 2019, vol. 158, no. 1, pp. 1-16., Registrované v: WOS

ADEA06 DU, S.F. - JONES, G. - KWAK, J.H. - NEDELA, Roman - ŠKOVIERA, M. Regular embeddings of Kn,n where n is a power of 2. II: The non-metacyclic case. In European Journal of Combinatorics, 2010, vol. 31, s. 1946-1956. (2009: 0.822 - IF, Q2 - JCR, 1.223 - SJR, Q1 - SJR). ISSN 0195-6698. Dostupné na: https://doi.org/10.1016/j.ejc.2010.01.009

Citácie:

1. [1.1] FAN, Wenwen - LI, Cai Heng - WANG, Naer. Edge-transitive uniface embeddings of bipartite multi-graphs. In JOURNAL OF ALGEBRAIC COMBINATORICS. ISSN 0925-9899, 2019, vol. 49, no. 2, p. 125-134., Registrované v: WOS

ADEA07 DU, Shao-Fei - JONES, Gareth - KWAK, Jin Ho - NEDELA, Roman - ŠKOVIERA, Martin. Regular embeddings of K-n,K-n where n is a power of 2. I: Metacyclic case. In European Journal of Combinatorics, 2006, vol. 28, no. 6, s. 1595-1609. ISSN 0195-6698.

Citácie:

1. [1.1] FAN, Wenwen - LI, Cai Heng - WANG, Naer. Edge-transitive uniface embeddings of bipartite multi-graphs. In JOURNAL OF ALGEBRAIC COMBINATORICS. ISSN 0925-9899, 2019, vol. 49, no. 2, p. 125-134., Registrované v: WOS

ADEA08 DVUREČENSKIJ, Anatolij - PULMANNOVÁ, Sylvia. Connection between joint distribution and compatibility. In Reports on Mathematical Physics, 1984, vol. 19, s. 349-359. ISSN 0034-4877.

Citácie:

1. [1.2] NÁNÁSIOVÁ, Oľga - VALÁŠKOVÁ, Ľubica - ČERŇANOVÁ, Viera. Probability measures and logical connectives on quantum logics. In Journal of Automation, Mobile Robotics and Intelligent Systems. ISSN 18978649, 2019-01-01, 13, 3, pp. 64-73., Registrované v: SCOPUS

ADEA09 DVUREČENSKIJ, Anatolij - HOLLAND, W.C. Komori´s characterization and top varieties of GMV-algebras. In Algebra Universalis, 2009, vol. 60, s. 37-62. (2008: 0.313 - IF, Q4 - JCR, 0.765 - SJR, Q2 - SJR). ISSN 0002-5240.

Citácie:

1. [1.1] AGLIANO, Paolo. Splittings in GBL-algebras II: The representable case. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 19-36., Registrované v: WOS

ADEA10 ELLINGHAM, M.N. - FLEISCHNER, H. - KOCHOL, Martin - WENGER, E. Colorability of planar graphs with isolated nontriangular faces. In Graphs and combinatorics, 2004, vol. 20, s. 443-446. ISSN 0911-0119.

Citácie:

1. [1.1] DROSS, Francois - LUZAR, Borut - MACEKOVA, Maria - SOTAK, Roman. Note on 3-choosability of planar graphs with maximum degree 4. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 11, p. 3123-3129., Registrované v: WOS

ADEA11 FLEISCHNER, H. - KOCHOL, Martin. A note about the dominating circuit conjecture. In Discrete Mathematics, 2002, vol. 259, s. 307-309. ISSN 0012-365X.

Citácie:

1. [1.1] FURUYA, Michitaka - YOKOTA, Maho. Forbidden Subgraphs Generating Almost All Claw-Free Graphs with High Connectivity. In IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES. ISSN 0916-8508, 2019, vol. E102A, no. 9, p. 987-993., Registrované v: WOS

ADEA12 GEYER, M. - KAUFMANN, M. - VRŤO, Imrich. Two trees which are self-intersecting when drawn simultaneously. In Discrete Mathematics, 2009, vol. 309, no. 7, p. 1909-1916. (2008: 0.502 - IF, Q3 - JCR, 0.894 - SJR, Q1 - SJR). ISSN 0012-365X.

Citácie:

1. [1.2] FRATI, Fabrizio - HOFFMANN, Michael - KUSTERS, Vincent. Simultaneous embeddings with few bends and crossings. In Journal of Graph Algorithms and Applications. ISSN 15261719, 2019-01-01, 23, 4, p. 683-713., Registrované v: SCOPUS

ADEA13 GUDDER, S. - PULMANNOVÁ, Sylvia. Quotients of partial abelian monoids. In Algebra Universalis, 1997, vol. 38, no. 4, s. 395-421. ISSN 0002-5240.

Citácie:

1. [1.1] BORZOOEI, R. A. - RAKHSHANI, M. R. - REZAEI, G. R. Separation axioms on topological effect algebras. In ANNALS OF THE UNIVERSITY OF CRAIOVA-MATHEMATICS AND COMPUTER SCIENCE SERIES. ISSN 1223-6934, 2019, vol. 46, no. 2, pp. 254-268., Registrované v: WOS

2. [1.1] DVURECENSKIJ, Anatolij - ZAHIRI, Omid. EMV-pairs. In INTERNATIONAL JOURNAL OF GENERAL SYSTEMS. ISSN 0308-1079, 2019, vol. 48, no. 4, pp. 382-405., Registrované v: WOS

3. [1.1] GUO, Yanan - XIE, Yongjian. Direct limits of generalized pseudo-effect algebras with the Riesz decomposition properties. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 4, pp. 1071-1078., Registrované v: WOS

4. [1.1] JI, Wei. Hyper-operations in effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 13, pp. 4585-4592., Registrované v: WOS

5. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS

ADEA14 HEDLÍKOVÁ, Jarmila - PULMANNOVÁ, Sylvia. Orthogonality spaces and atomistic orthocomplemented lattices. In Czechoslovak Mathematical Journal. ISSN 0011-4642. Dostupné na internete: <http://dml.cz/dmlcz/102428>

Citácie:

1. [1.1] MONIRI, Morteza - SHIRINKALAM, Elahe. ULTRAPRODUCT FOR QUANTUM STRUCTURES. In LOGIC AND LOGICAL PHILOSOPHY. ISSN 1425-3305, 2019, vol. 28, no. 1, pp. 157-171., Registrované v: WOS

ADEA15 JAKUBÍK, Ján. Cantor-Bernstein theorem for MV-algebras. In Czechoslovak Mathematical Journal, 1999, vol. 49, s. 517-526. ISSN 0011-4642.

Citácie:

1. [1.1] FREYTES, Hector. The Cantor-Bernstein-Schroder theorem via universal algebra. In ALGEBRA UNIVERSALIS. ISSN 0002-5240, 2019, vol. 80, no. 2., Registrované v: WOS

ADEA16 JAKUBÍK, Ján. On orthogonally sigma-complete lattice ordered groups. In Czechoslovak Mathematical Journal, 2002, vol. 52, s. 881-888. ISSN 0011-4642.
Citácie:
1. [1.1] FREYTES, Hector. The Cantor-Bernstein-Schroder theorem via universal algebra. In ALGEBRA UNIVERSALIS. ISSN 0002-5240, 2019, vol. 80, no. 2., Registrované v: WOS

ADEA17 JAKUBÍK, Ján. On product MV-algebras. In Czechoslovak Mathematical Journal, 2002, vol. 52, no. 4, p. 797-810. ISSN 0011-4642.
Citácie:
1. [1.2] MARKECHOVÁ, Dagmar - EBRAHIMZADEH, Abolfazl. R-norm entropy and R-norm divergence in product MV-algebras. In Soft Computing. ISSN 14327643, 2019-08-01, 23, 15, pp. 6085-6095., Registrované v: SCOPUS

ADEA18 JONES, Gareth A. - NEDELA, Roman - ŠKOVIERA, Martin. Regular embeddings of Kn,n where n is an odd prime power. In European Journal of Combinatorics, 2007, vol. 28, no. 6, p. 1863-1875. (2006: 0.710 - IF, Q2 - JCR, 1.321 - SJR, Q1 - SJR). ISSN 0195-6698.
Citácie:
1. [1.1] KWAK, Jin Ho - KWON, Young Soo. Classification of some reflexible edge-transitive embeddings of complete bipartite graphs. In ARS MATHEMATICA CONTEMPORANEA. ISSN 1855-3966, 2019, vol. 16, no. 2, p. 563-583., Registrované v: WOS

ADEA19 KOCHOL, Martin. Superposition and constructions of graphs without nowhere-zero k-flows. In European Journal of Combinatorics, 2002, vol. 23, p. 281-306. ISSN 0195-6698.
Citácie:
1. [1.1] GOEDGEBEUR, Jan - MACAJOVA, Edita - SKOVIERA, Martin. Smallest snarks with oddness 4 and cyclic connectivity 4 have order 44. In ARS MATHEMATICA CONTEMPORANEA. ISSN 1855-3966, 2019, vol. 16, no. 2, p. 277-298., Registrované v: WOS
2. [1.1] HOFFMANN-OSTENHOF, Arthur - ZHANG, Cun-Quan - ZHANG, Zhang. Cycle double covers and non-separating cycles. In EUROPEAN JOURNAL OF COMBINATORICS. ISSN 0195-6698, 2019, vol. 81, p. 276-284., Registrované v: WOS

ADEA20 KOCHOL, Martin. Construction of crossing-critical graphs. In Discrete Mathematics, 1987, vol. 66, s. 311-313. ISSN 0012-365X.
Citácie:
1. [1.1] BOKAL, Drago - BRACIC, Mojca - DERNAR, Marek - HLINENY, Petr. On Degree Properties of Crossing-Critical Families of Graphs. In ELECTRONIC JOURNAL OF COMBINATORICS. ISSN 1077-8926, 2019, vol. 26, no. 1., Registrované v: WOS
2. [1.1] SILVA, Andre C. - ARROYO, Alan - RICHTER, R. Bruce - LEE, Orlando. Graphs with at most one crossing. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 11, p. 3201-3207., Registrované v: WOS
3. [1.2] BOKAL, Drago - DVOŘÁK, Zdeněk - HLINĚNÝ, Petr - LEAÑOS, Jesús - MOHAR, Bojan - WIEDERA, Tilo. Bounded degree conjecture holds precisely for c-crossing-critical graphs with $c \leq 12$. In Leibniz International Proceedings in Informatics, LIPIcs. ISSN 18688969, 2019-06-01, 129, art. nr. 14, pp.1-15., Registrované v: SCOPUS

4. [2.1] HLINENY, P. - KORBELA, M. ON THE ACHIEVABLE AVERAGE DEGREES IN 2-CROSSING-CRITICAL GRAPHS. In ACTA MATHEMATICA UNIVERSITATIS COMENIANAE. ISSN 0231-6986, 2019, vol. 88, no. 3, pp. 787-793., Registrované v: WOS

ADEA21 KOCHOL, Martin. Three measures of edge-uncolorability. In Discrete Mathematics, 2011, vol. 311, p. 106-108. (2010: 0.536 - IF, Q3 - JCR, 0.845 - SJR, Q2 - SJR). ISSN 0012-365X. Dostupné na: https://doi.org/10.1016/j.disc.2010.10.001

Citácie:

1. [1.1] ALLIE, I. Oddness to resistance ratios in cubic graphs. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 2, p. 387-392., Registrované v: WOS

ADEA22 KORBAŠ, Július - ZVENGROWSKI, Peter. The vector field problem: a survey with emphasis on specific manifolds. In Expositiones Mathematicae, 1994, vol. 12, no. 1, s. 3-30. ISSN 0723-0869.

Citácie:

1. [1.2] SANKARAN, Parameswaran. The vector field problem for homogeneous spaces. In Trends in Mathematics. ISSN 22970215, 2019-01-01, pp. 223-264., Registrované v: SCOPUS

ADEA23 KORBAŠ, Július - LÖRINC, J. The Z_2-cohomology cup-length of real flag manifolds. In Fundamenta Mathematicae, 2003, vol. 178, s. 143-158. ISSN 0016-2736.

Citácie:

1. [1.2] PETROVIĆ, Zoran Z. - PRVULOVIĆ, Branislav I. - RADOVANOVIĆ, M. Gröbner bases for (partial) flag manifolds. In Journal of Symbolic Computation. ISSN 07477171, 2019-01-01., Registrované v: SCOPUS

ADEA24 KORBAŠ, Július. The cup-length of the oriented Grassmannians vs a new bound for zero-cobordant manifolds. In Bulletin of the Belgian Mathematical Society, 2010, vol. 17, s. 69-81. (2009: 0.592 - IF, Q3 - JCR, 0.535 - SJR, Q3 - SJR, karentované - CCC). (2010 - Current Contents). ISSN 1370-1444.

Citácie:

1. [1.1] BANERJEE, Bikram. Chern rank of complex bundle. In COMMENTATIONES MATHEMATICAE UNIVERSITATIS CAROLINAE. ISSN 0010-2628, 2019, vol. 60, no. 3, pp. 401-413., Registrované v: WOS

2. [1.1] PRVULOVIC, Branislav I. - RADOVANOVIC, Marko. On the characteristic rank of vector bundles over oriented Grassmannians. In FUNDAMENTA MATHEMATICAE. ISSN 0016-2736, 2019, vol. 244, no. 2, pp. 167-190., Registrované v: WOS

3. [1.1] RUSIN, Tomas. A NOTE ON THE COHOMOLOGY RING OF THE ORIENTED GRASSMANN MANIFOLDS (G)over-tilde(n,4). In ARCHIVUM MATHEMATICUM. ISSN 1212-5059, 2019, vol. 55, no. 5, pp. 319-331., Registrované v: WOS

ADEA25 MEDNYKH, A. - NEDELA, Roman. Enumeration of unrooted hypermaps of a given genus. In Discrete Mathematics, 2010, vol. 310, s. 518-526. (2009: 0.548 - IF, Q3 - JCR, 0.914 - SJR, Q2 - SJR). ISSN 0012-365X. Dostupné na: https://doi.org/10.1016/j.disc.2009.03.033

Citácie:

1. [1.1] CIOBANU, Laura - KOLPAKOV, Alexander. Free subgroups of free products and combinatorial hypermaps. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 5, p. 1415-1433., Registrované v: WOS

2. [1.1] KRASKO, Evgeniy - OMELCHENKO, Alexander. Enumeration of r-regular maps on the torus. Part I: Rooted maps on the torus, the projective plane and the Klein bottle. Sensed maps on the torus. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 2, p. 584-599., Registrované v: WOS
3. [1.1] KRASKO, Evgeniy - OMELCHENKO, Alexander. Enumeration of r-regular maps on the torus. Part II: Unsensed maps. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 2, p. 600-614., Registrované v: WOS
4. [2.1] KRASKO, E. - OMELCHENKO, A. ENUMERATION OF UNSENSED ORIENTABLE AND NON-ORIENTABLE MAPS. In ACTA MATHEMATICA UNIVERSITATIS COMENIANAE. ISSN 0231-6986, 2019, vol. 88, no. 3, p. 885-890., Registrované v: WOS

ADEA26 PLOŠČICA, Miroslav. On a characterization of distributive lattices by the betweenness relation. In Algebra Universalis, 1996, vol. 35, no. 2, p. 249-255. ISSN 0002-5240.

Citácie:

1. [1.1] ZHANG, Hua-Peng - PEREZ-FERNANDEZ, Raul - DE BAETS, Bernard. Topologies induced by the representation of a betweenness relation as a family of order relations. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 258, no., pp. 100-114., Registrované v: WOS

ADEA27 PULMANNOVÁ, Sylvia - VINCEKOVÁ, Elena. Riesz ideals in generalized effect algebras and their unitizations. In Algebra Universalis, 2007, vol. 57, s. 393-417. (2006: 0.230 - IF, Q4 - JCR, 0.590 - SJR, Q3 - SJR). ISSN 0002-5240.

Citácie:

1. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS

ADEA28 STRAUCH, Oto - TÓTH, J.T. Distribution functions of ratio sequences. In Publicationes mathematicae, 2001, vol. 58, no. 4, p. 751-778. ISSN 0033-3883.

Citácie:

1. [1.1] BUKOR, Jozsef - FILIP, Ferdinand - TOTH, Janos T. On properties derived from different types of asymptotic distribution functions of ratio sequences. In PUBLICATIONES MATHEMATICAE-DEBRECEN. ISSN 0033-3883, 2019, vol. 95, no. 1-2, pp. 219-230., Registrované v: WOS

ADEA29 VRŤO, Imrich. A note in isoperimetric peaks of complete trees. In Discrete Mathematics, 2010, vol. 310, s. 1272-1274. (2009: 0.548 - IF, Q3 - JCR, 0.914 - SJR, Q2 - SJR). ISSN 0012-365X. Dostupné na: https://doi.org/10.1016/j.disc.2009.12.004

Citácie:

1. [1.1] BONOMO, Flavia - DE ESTRADA, Diego. On the thinness and proper thinness of a graph. In DISCRETE APPLIED MATHEMATICS. ISSN 0166-218X, 2019, vol. 261, p. 78-92., Registrované v: WOS

ADEA30 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. On the new concept of solutions and existence results for impulsive fractional evolution equations. In Dynamics of Partial Differential Equations, 2011, vol. 8, no. 4, p. 345-361. (2010: 1.097 - IF, Q2 - JCR, 2.294 - SJR, Q1 - SJR). ISSN 1548-159X.

Citácie:
1. [1.1] BORAH, Jayanta - BORA, Swaroop Nandan. EXISTENCE OF MILD SOLUTION OF A CLASS OF NONLOCAL FRACTIONAL ORDER DIFFERENTIAL EQUATION WITH NOT INSTANTANEOUS IMPULSES. In FRACTIONAL CALCULUS AND APPLIED ANALYSIS. ISSN 1311-0454, 2019, vol. 22, no. 2, pp. 495-508., Registrované v: WOS
2. [1.1] CHEN, Pengyu - ZHANG, Xuping - LI, Yongxiang. Fractional non-autonomous evolution equation with nonlocal conditions. In JOURNAL OF PSEUDO-DIFFERENTIAL OPERATORS AND APPLICATIONS. ISSN 1662-9981, 2019, vol. 10, no. 4, pp. 955-973., Registrované v: WOS
3. [1.1] GOU, Haide - LI, Baolin. Existence results for Hilfer fractional evolution equations with boundary conditions. In JOURNAL OF PSEUDO-DIFFERENTIAL OPERATORS AND APPLICATIONS. ISSN 1662-9981, 2019, vol. 10, no. 3, pp. 711-746., Registrované v: WOS
4. [1.1] GOU, Haide - LI, Baolin. Study a class of nonlinear fractional non-autonomous evolution equations with delay. In JOURNAL OF PSEUDO-DIFFERENTIAL OPERATORS AND APPLICATIONS. ISSN 1662-9981, 2019, vol. 10, no. 1, pp. 155-176., Registrované v: WOS
5. [1.1] GUO, Yuchen - SHU, Xiao-Bao - LI, Yongjin - XU, Fei. The existence and Hyers-Ulam stability of solution for an impulsive Riemann-Liouville fractional neutral functional stochastic differential equation with infinite delay of order 1 <beta < 2. In BOUNDARY VALUE PROBLEMS. ISSN 1687-2770, 2019., Registrované v: WOS
6. [1.1] HEIDARKHANI, S. - SALARI, A. EXISTENCE OF THREE SOLUTIONS FOR IMPULSIVE FRACTIONAL DIFFERENTIAL SYSTEMS THROUGH VARIATIONAL METHODS. In TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS. ISSN 2146-1147, 2019, vol. 9, no. 3, pp. 646-657., Registrované v: WOS
7. [1.1] JEET, Kamal - SUKAVANAM, N. - BAHUGUNA, D. Monotone Iterative Technique for Nonlocal Impulsive Finite Delay Differential Equations of Fractional Order. In DIFFERENTIAL EQUATIONS AND DYNAMICAL SYSTEMS. ISSN 0971-3514, 2019., Registrované v: WOS
8. [1.1] LI, Yongxiang - GOU, Haide. MIXED MONOTONE ITERATIVE TECHNIQUE FOR SEMILINEAR IMPULSIVE FRACTIONAL EVOLUTION EQUATIONS. In JOURNAL OF APPLIED ANALYSIS AND COMPUTATION. ISSN 2156-907X, 2019, vol. 9, no. 4, pp. 1216-1241., Registrované v: WOS
9. [1.1] LV, Jingyun - YANG, Xiaoyuan. A class of Hilfer fractional stochastic differential equations and optimal controls. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019., Registrované v: WOS
10. [1.1] LV, Jingyun - YANG, Xiaoyuan. Approximate controllability of Hilfer fractional differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019., Registrované v: WOS
11. [1.1] MA, Changyou. A Novel Computational Technique for Impulsive Fractional Differential Equations. In SYMMETRY-BASEL, 2019, vol. 11, no. 2., Registrované v: WOS
12. [1.1] SOUSA, Jose Vanterler da C. - RODRIGUES, Fabio G. - DE OLIVEIRA, Edmundo Capelas. Stability of the fractional Volterra integro-differential equation by means of psi-Hilfer operator. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 9, pp. 3033-3043., Registrované v: WOS

13. [1.1] ZHANG, Xuping - GOU, Haide - LI, Yongxiang. Existence Results of Mild Solutions for Impulsive Fractional Integrodifferential Evolution Equations With Nonlocal Conditions. In INTERNATIONAL JOURNAL OF NONLINEAR SCIENCES AND NUMERICAL SIMULATION. ISSN 1565-1339, 2019, vol. 20, no. 1, pp. 1-16., Registrované v: WOS
14. [1.2] GEORGE, Soumya - VELUSAMY, Kavitha - JEYAKUMAR, Grayna. A study on PC pseudo almost automorphic solution of impulsive differential equation. In Journal of Advanced Research in Dynamical and Control Systems, 2019-01-01, 11, 11 Special Issue, pp. 788-799., Registrované v: SCOPUS
15. [1.2] HILAL, K. - GUIDA, K. - IBNELAZYZ, L. - OUKESSOU, M. Existence results for an impulsive fractional integro-differential equations with a non-compact semigroup. In Studies in Fuzziness and Soft Computing. ISSN 14349922, 2019-01-01, 372, pp. 191-211., Registrované v: SCOPUS
16. [1.2] RAHEEM, A. - KUMAR, M. An Approximate Solution to a Class of Impulsive Fractional Differential Equations in a Reflexive Banach Space. In International Journal of Applied and Computational Mathematics. ISSN 23495103, 2019-08-01, 5, 4., Registrované v: SCOPUS
17. [1.2] STAMOV, Gani - STAMOVA, Ivanka. Impulsive delayed Lasota-Wazewska fractional models: Global stability of integral manifolds. In Mathematics, 2019-11-01, 7, 11., Registrované v: SCOPUS

ADEB Vedecké práce v ostatných zahraničných časopisoch – neimpaktovaných

ADEB01 ANGELOVA, Nora - ATANASSOV, Krassimir T. - RIEČAN, Beloslav. Intercriteria analysis of the intuitionistic fuzzy implication properties. In Notes on Intuitionistic Fuzzy Sets, 2015, vol. 21, no. 5, p. 20-23. ISSN 1310-4926.
Citácie:
1. [1.2] DOUKOVSKA, Lyubka - ATANASSOVA, Vassia - SOTIROVA, Evdokia - VARDEVA, Ivelina - RADEVA, Irina. Defining consonance thresholds in intercriteria analysis: An overview. In Studies in Computational Intelligence. ISSN 1860949X, 2019-01-01, 757, pp. 161-179., Registrované v: SCOPUS

ADEB02 BARTÍK, Vojtěch - KORBAŠ, Július. Stiefel-Whitney characteristic classes and parallelizability of Grassmann manifolds. In Rendiconti del Circolo Matematico di Palermo, 1984, vol. 33, suppl. 6, s. 19-29. ISSN 0009-725X.
Citácie:
1. [1.2] SANKARAN, Parameswaran. The vector field problem for homogeneous spaces. In Trends in Mathematics. ISSN 22970215, 2019-01-01, pp. 223-264., Registrované v: SCOPUS

ADEB03 BATTELLI, Flaviano - FEČKAN, Michal. Global center manifolds in singular systems. In Nonlinear Differential Equations and Applications, 1996, vol. 3, no. 1, p. 19-34. ISSN 1021-9722.
Citácie:
1. [1.1] WANG, Z. - ZHANG, J. - WANG, L. - LIU, Y. A general objective shock wave detection from a geometric singular perturbation approach. In COMMUNICATIONS IN NONLINEAR SCIENCE AND NUMERICAL SIMULATION. ISSN 1007-5704, 2019, vol. 66, p. 1-19., Registrované v: WOS

ADEB04 BORSÍK, Ján. Sums of quasicontinuous functions. In Mathematica Bohemica, 1993, vol. 118, p. 313-319. ISSN 0862-7959.

Citácie:
1. [1.1] SIEG, Waldemar - WOJTOWIEZ, Marek. Linear extensions of Baire-alpha functions. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 252, no., p. 103-111., Registrované v: WOS

ADEB05 BORSÍK, Ján. Mappings that preserve Cauchy sequences. In Časopis pro pěstování matematiky, 1988, vol. 113, p. 280-285.

Citácie:
1. [1.1] AYALA-GOMEZ, Rafael - BERNAL-GONZALEZ, L. - CALDERON-MORENO, M. C. - ANTONIO VILCHES-ALARCON, Jose. Structural aspects of the non-uniformly continuous functions and the unbounded functions within C(X). In JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS. ISSN 0022-247X, 2019, vol. 472, no. 1, p. 372-385., Registrované v: WOS

ADEB06 BORSÍK, Ján. On the points of bilateral quasicontinuity of functions. In Real Analysis Exchange, 1993/1994, vol. 19, s. 529-536. ISSN 0147-1937.

Citácie:
1. [1.1] DAS, Arkabrata - NESTERENKO, Vasyl';. On decomposition of continuity, B-quasicontinuity and closed graph. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 263, no., p. 325-329., Registrované v: WOS
2. [2.2] KUPKA, Ivan. Generalized Derivative and Generalized Continuity. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 77-84., Registrované v: SCOPUS

ADEB07 BORSÍK, Ján - DOBOŠ, J. - REPICKÝ, Miroslav. Sums of quasicontinuous functions with closed graphs. In Real Analysis Exchange, 1999/2000, vol. 25, s. 679-690. ISSN 0147-1937.

Citácie:
1. [1.1] NATKANIEC, Tomasz - SIEG, Waldemar. On convergence of sequences of functions possessing closed graphs. In GEORGIAN MATHEMATICAL JOURNAL. ISSN 1072-947X, 2019, vol. 26, no. 4, pp. 573-582., Registrované v: WOS
2. [1.1] SIEG, Waldemar - WOJTOWIEZ, Marek. Linear extensions of Baire-alpha functions. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 252, no., pp. 103-111., Registrované v: WOS
3. [1.1] SIEG, Waldemar - WOJTOWIEZ, Marek. Linear extensions of Baire-alpha functions. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 252, p. 103-111., Registrované v: WOS

ADEB08 BORSÍK, Ján - HOLÁ, Ľubica - HOLÝ, Dušan. Baire spaces and quasicontinuous mappings. In Filomat, 2011, vol. 25, p. 69-83. (2010: 0.101 - IF, Q4 - JCR). ISSN 0354-5180.

Citácie:
1. [2.2] KUPKA, Ivan. Generalized Derivative and Generalized Continuity. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 77-84., Registrované v: SCOPUS

ADEB09 DI MAIO, G. - HOLÁ, Ľubica. On hit-and-miss hyperspace topologies. In Rendiconti dell'Accademia delle Scienze Fisiche e Matemàtiche, Napoli, 1995, vol. 62, s. 103-124. ISSN 0370-3568.

Citácie:
1. [2.1] DIAZ-REYES, Jesus - MARTINEZ-RUIZ, Ivan - RAMIREZ-PARAMO, Alejandro. RELATIVE TOPOLOGICAL PROPERTIES OF HYPERSPACES. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 3, pp. 675-684., Registrované v: WOS

ADEB10 DI NOLA, Antonio - DVUREČENSKIJ, Anatolij. Product MV-algebras. In Multiple-Valued Logic, 2001, vol. 6, p. 193-215. ISSN 1023-6627.

Citácie:

1. [1.1] FREYTES, Hector - GIUNTINI, Roberto - SERGIOLI, Giuseppe. Holistic Type Extension for Classical Logic via Toffoli Quantum Gate. In ENTROPY, 2019, vol. 21, no. 7, art. no. 636., Registrované v: WOS

2. [1.1] MARKECHOVA, Dagmar - EBRAHIMZADEH, Abolfazl. R-norm entropy and R-norm divergence in product MV-algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, pp. 6085-6095., Registrované v: WOS

3. [1.1] MARKECHOVA, Dagmar - RIECAN, Beloslav. Logical entropy of dynamical systems in product MV-algebras and general scheme. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, art. no. 9, Registrované v: WOS

4. [1.2] ESTRADA, Alejandro - POVEDA, Yuri A. MVW-rigs and product MV-algebras. In Journal of Applied Non-Classical Logics. ISSN 11663081, 2019-01-02, 29, 1, pp. 78-96., Registrované v: SCOPUS

5. [2.2] BABICOVÁ, Dušana - FRIČ, Roman. Real Functions in Stochastic Dependence. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 17-34., Registrované v: SCOPUS

ADEB11 DJIDJEV, H. - VRŤO, Imrich. Crossing numbers and cutwidths. In Journal of Graph Algorithms and Applications, 2003, vol. 7, no. 3, p. 245-251. ISSN 1526-1719.

Citácie:

1. [1.1] GIANNOPOULOU, Archontia C. - PILIPCZUK, Michal - RAYMOND, Jean-Florent - THILIKOS, Dimitrios M. - WROCHNA, Marcin. Cutwidth: Obstructions and Algorithmic Aspects. In ALGORITHMICA. ISSN 0178-4617, 2019, vol. 81, no. 2, p. 557-588., Registrované v: WOS

2. [1.1] JANSEN, Bart M. P. - NEDERLOF, Jesper. Computing the chromatic number using graph decompositions via matrix rank. In THEORETICAL COMPUTER SCIENCE. ISSN 0304-3975, 2019, vol. 795, p. 520-539., Registrované v: WOS

ADEB12 DVUREČENSKIJ, Anatolij - VETTERLEIN, Thomas. On pseudo-effect algebras which can be covered by pseudo MV-algebras. In Demonstratio Mathematica, 2003, vol. 36, s. 261-282. ISSN 0420-1213.

Citácie:

1. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS

ADEB13 DVUREČENSKIJ, Anatolij. States on pseudo MV-algebras. In Studia Logica, 2001, vol. 68, p. 301-327.

Citácie:

1. [1.1] DEHGHANI, Zahra - FOROUZESH, Fereshteh. State filters in state residuated lattices. In CATEGORIES AND GENERAL ALGEBRAIC STRUCTURES WITH APPLICATIONS. ISSN 2345-5853, 2019, vol. 10, no. 1, pp. 17-37., Registrované v: WOS

2. [1.1] FOROUZESH, F. - DARIJANI, A. SOME CLASSES OF STATE IDEALS IN STATE MV-ALGEBRAS. In EURASIAN MATHEMATICAL JOURNAL. ISSN 2077-9879, 2019, vol. 10, no. 2, pp. 37-48., Registrované v: WOS

3. [1.1] LIU, H. - FAN, W. - WANG, S. Convex structures via convex L-subgroups of an L-ordered group. In IRANIAN JOURNAL OF FUZZY SYSTEMS. ISSN 1735-0654, 2019, vol. 16, no. 6, pp. 75-87., Registrované v: WOS

4. [1.1] MOLKHASI, A. - SHUM, K. P. Representations of strongly algebraically closed algebras. In ALGEBRA & DISCRETE MATHEMATICS. ISSN 1726-3255, 2019, vol. 28, no. 1, pp. 130-143., Registrované v: WOS
5. [1.1] RASOULI, Saeed - ZARIN, Zeinab. On residuated lattices with left and right internal state. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 37-61., Registrované v: WOS
6. [1.1] XIN, X. L. - KHAN, M. - JUN, Y. B. Generalized states on EQ-algebras. In IRANIAN JOURNAL OF FUZZY SYSTEMS. ISSN 1735-0654, 2019, vol. 16, no. 1, pp. 159-172., Registrované v: WOS
7. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS
8. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADEB14 DVUREČENSKIJ, Anatolij - VETTERLEIN, Thomas. Algebras in the positive cone of po-groups. In Order, 2002, vol. 19, p. 127-146. ISSN 0167-8094.

Citácie:

1. [1.1] PULMANNOVA, S. Congruences and ideals in generalized pseudoeffect algebras revisited. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 735-745., Registrované v: WOS
2. [1.1] XIN, Xiaolong - FU, Yulong - LAI, Yanyan - WANG, Juntao. Monadic pseudo BCI-algebras and corresponding logics. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 5, pp. 1499-1510., Registrované v: WOS
3. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS

ADEB15 DVUREČENSKIJ, Anatolij - GRAZIANO, M.G. On representations of commutative BCK-algebras. In Demonstratio Mathematica, 1999, vol. 32, p. 227-246. ISSN 0420-1213.

Citácie:

1. [1.1] AVALLONE, Anna - VITOLO, Paolo. Hahn decomposition in d(0)-algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 22, pp. 11373-11388., Registrované v: WOS

ADEB16 DVUREČENSKIJ, Anatolij. On categorical equivalences of commutative BCK-algebras. In Studia Logica, 2000, vol. 64, s. 21-36.

Citácie:

1. [1.1] LIU, Hongxing. On categorical equivalences of equality algebras and monadic equality algebras. In LOGIC JOURNAL OF THE IGPL. ISSN 1367-0751, 2019, vol. 27, no. 3, pp. 267-280., Registrované v: WOS

ADEB17 FEČKAN, Michal - POSPÍŠIL, Michal. On the bifurcation of periodic orbits in discontinuous systems. In Communications in Mathematical Analysis, 2010, vol. 8, no. 1, p. 87-108.

Citácie:

1. [1.1] FAN, Zhihui - DU, Zhengdong. Bifurcation of Periodic Orbits Crossing Switching Manifolds Multiple Times in Planar Piecewise Smooth Systems. In INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS. ISSN 0218-1274, 2019, vol. 29, no. 12, art.no. 1950160., Registrované v: WOS

ADEB18 GUDDER, S. - PULMANNOVÁ, Sylvia. Representation theorem for convex effect algebras. In Commentationes Mathematicae Universitatis Carolinae, 1998, vol. 39, p. 645-659. ISSN 0010-2628.

Citácie:

1. [1.1] FURBER, Robert. Categorical Equivalences from State-Effect Adjunctions. In ELECTRONIC PROCEEDINGS IN THEORETICAL COMPUTER SCIENCE. ISSN 2075-2180, 2019, vol., no. 287, pp. 107-126., Registrované v: WOS

2. [1.1] JENCOVA, Anna - PLAVALA, Martin. On the properties of spectral effect algebras. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS

ADEB19 HOLÁ, Ľubica - LEVI, S. Decomposition properties of hyperspace topologies. In SET- Valued Analysis, 1997, vol. 5, s. 309-321. ISSN 0927-6947.

Citácie:

1. [2.1] DIAZ-REYES, Jesus - MARTINEZ-RUIZ, Ivan - RAMIREZ-PARAMO, Alejandro. RELATIVE TOPOLOGICAL PROPERTIES OF HYPERSPACES. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 3, pp. 675-684., Registrované v: WOS

ADEB20 CHEVALIER, G. - PULMANNOVÁ, Sylvia. Some ideal lattices in partial abelian monoids and effect algebras. In ORDER, 2000, vol. 17, p. 75-92. ISSN 0167-8094.

Citácie:

1. [1.1] DVURECENSKIJ, Anatolij - ZAHIRI, Omid. EMV-pairs. In INTERNATIONAL JOURNAL OF GENERAL SYSTEMS. ISSN 0308-1079, 2019, vol. 48, no. 4, pp. 382-405., Registrované v: WOS

2. [1.1] JI, Wei - XIE, Hai. Hyper-commutators in effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, p. 5967-5973., Registrované v: WOS

3. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS

ADEB21 JENČA, G. - PULMANNOVÁ, Sylvia. Ideals and quotients in lattice ordered effect algebras. In Soft Computing, 2001, vol. 5, no. 5, p. 376-380. ISSN 1432-7643.

Citácie:

1. [1.1] BORZOOEI, R. A. - RAKHSHANI, M. R. - REZAEI, G. R. Separation axioms on topological effect algebras. In ANNALS OF THE UNIVERSITY OF CRAIOVA-MATHEMATICS AND COMPUTER SCIENCE SERIES. ISSN 1223-6934, 2019, vol. 46, no. 2, pp. 254-268., Registrované v: WOS

2. [1.1] HUA, Xiujuan. Fuzzy rough set based on lattice effect algebra. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 36, no. 1, p. 29-36., Registrované v: WOS

3. [1.1] JI, Wei - XIE, Hai. Hyper-commutators in effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, p. 5967-5973., Registrované v: WOS

ADEB22 JENČOVÁ, Anna - PETZ, D. Sufficiency in quantum statistical inference. A survey with examples. In Infinite Dimensional Analysis, Quantum Probability and Related Topics, 2006, vol. 9, p. 331-351. ISSN 0219-0257.

Citácie:
1. [1.1] BOLANOS-SERVIN, Jorge R. - CARBONE, Raffaella - QUEZADA, Roberto. Structure and block representation for circulant quantum processes. In INFINITE DIMENSIONAL ANALYSIS QUANTUM PROBABILITY AND RELATED TOPICS. ISSN 0219-0257, 2019, vol. 22, no. 3, art. no. 1950017., Registrované v: WOS

ADEB23 KARABÁŠ, Ján - NEDELA, Roman. Archimedean solids of genus two. In Electronic Notes in Discrete Mathematics, 2007, vol. 28, s. 331-339. (2006: 0.152 - SJR, Q4 - SJR). ISSN 1571-0653.

Citácie:
1. [1.1] EIBEN, Eduard - JAJCAY, Robert - SPARL, Primoz. Symmetry properties of generalized graph truncations. In JOURNAL OF COMBINATORIAL THEORY SERIES B. ISSN 0095-8956, 2019, vol. 137, p. 291-315., Registrované v: WOS

ADEB24 KORBAŠ, Július - ZVENGROWSKI, Peter. On sectioning tangent bundles and other vector bundles. In Rendiconti del Circolo Matematico di Palermo, 1996, vol. 45, suppl. 39, s. 85-104. ISSN 0009-725X.

Citácie:
1. [1.2] SANKARAN, Parameswaran. The vector field problem for homogeneous spaces. In Trends in Mathematics. ISSN 22970215, 2019-01-01, pp. 223-264., Registrované v: SCOPUS

ADEB25 KORBAŠ, Július - ZVENGROWSKI, P. The vector field problem for projective Stiefel manifolds. In Boletín de la Sociedad Matemática Mexicana, 2009, vol. 15, no. 3, s. 1-16. ISSN 0037-8615.

Citácie:
1. [1.2] SANKARAN, Parameswaran. The vector field problem for homogeneous spaces. In Trends in Mathematics. ISSN 22970215, 2019-01-01, pp. 223-264., Registrované v: SCOPUS

ADEB26 KUEHL, P. - MACKO, Tibor - MOLE, A. The total surgery obstruction revisited. In Muenster Journal of Mathematics, 2013, vol. 6, no. 1, p. 181-269. ISSN 1867-5778.

Citácie:
1. [1.1] BANAGL, Markus - LAURES, Gerd - MCCLURE, James E. The L-homology fundamental class for IP-spaces and the stratified Novikov conjecture. In SELECTA MATHEMATICA-NEW SERIES. ISSN 1022-1824, 2019, vol. 25, no. 1, pp., Registrované v: WOS
2. [1.1] FERRY, Steve - LUECK, Wolfgang - WEINBERGER, Shmuel. On the stable Cannon Conjecture. In JOURNAL OF TOPOLOGY. ISSN 1753-8416, 2019, vol. 12, no. 3, pp. 799-832., Registrované v: WOS

ADEB27 LAHTI, Pekka - PULMANNOVÁ, Sylvia. Coexistent observables and effects in quantum mechanics. In Reports on Mathematical Physics, 1997, vol. 39, no. 3, p. 339-351. ISSN 0034-4877.

Citácie:
1. [1.1] HAAPASALO, Erkka. Compatibility of Covariant Quantum Channels with Emphasis on Weyl Symmetry. In ANNALES HENRI POINCARE. ISSN 1424-0637, 2019, vol. 20, no. 9, pp. 3163-3195., Registrované v: WOS
2. [1.1] HEINOSAARI, Teiko - KURAMOCHI, Yui. Post-processing minimal joint observables. In JOURNAL OF PHYSICS A-MATHEMATICAL AND THEORETICAL. ISSN 1751-8113, 2019, vol. 52, no. 6., Registrované v: WOS

ADEB28 MARKOVA, A. - RIEČAN, Beloslav. On the double g-integral. In Novi Sad Journal of Mathematics, 1996, s. 67-70. ISSN 0352-0900.

Citácie:
1. [1.1] XIE, Ting - GONG, Zengtai. Inequalities of Lyapunov and Stolarsky Type for Choquet-Like Integrals with respect to Nonmonotonic Fuzzy Measures. In JOURNAL OF FUNCTION SPACES. ISSN 2314-8896, 2019, vol. 2019., Registrované v: WOS

ADEB29 MEDNYKH, A. - NEDELA, Roman. Enumeration of unrooted hypermaps. In Electronic Notes in Discrete Mathematics, 2007, vol. 28, s. 207-214. (2006: 0.152 - SJR, Q4 - SJR). ISSN 1571-0653.

Citácie:
1. [1.1] CIOBANU, Laura - KOLPAKOV, Alexander. Free subgroups of free products and combinatorial hypermaps. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 5, p. 1415-1433., Registrované v: WOS

ADEB30 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. The structure of n-contractive t-norms. In International Journal of General Systems, 2005, vol. 34, p. 625-637. ISSN 0308-1079.

Citácie:
1. [1.1] CAYLI, Gul Deniz - KARACAL, Funda - MESIAR, Radko. On internal and locally internal uninorms on bounded lattices. In INTERNATIONAL JOURNAL OF GENERAL SYSTEMS. ISSN 0308-1079, 2019, vol. 48, no. 3, p. 235-259., Registrované v: WOS
2. [1.1] CAYLI, Gul Deniz. On Properties of Internal Uninorms on Bounded Lattices. In NEW TRENDS IN AGGREGATION THEORY. ISSN 2194-5357, 2019, vol. 981, p. 115-128., Registrované v: WOS

ADEB31 MICHALÍKOVÁ, Alžbeta - RIEČAN, Beloslav*. On some methods of study of states on interval valued fuzzy sets. In Notes on Intuitionistic Fuzzy Sets, 2018, vol. 24, no. 4, p. 5-12. ISSN 1310-4926. Dostupné na internete: <http://ifigenia.org/images/9/9a/NIFS-24-4-005-012.pdf>

Citácie:
1. [3.1] CUNDERLIKOVA, K.: Connection between interval-valued observables and intuitionistic fuzzy observables. In Notes on Intuitionistic Fuzzy Sets. Academic Publishing House, Sofia, Bulgaria. Volume 25, Number 1, 2019, p. 32-42

ADEB32 OHKUBO, Yukio - STRAUCH, Oto. Distribution of leading digits of numbers. In Uniform Distribution Theory, 2016, vol. 11, no. 1, p. 23-45. ISSN 1336-913X. Dostupné na internete: <https://math.boku.ac.at/udt/vol11/no1/03OhkuStrauch.pdf>

Citácie:
1. [3.1] CHUANG XU.The Distributional Asymptotics Mod 1 of (logb n). In Uniform Distribution Theory, vol. 14, no. 1, 2019, p. 105-122.

ADEB33 ŠTVRTINOVÁ, V. - KOLESÁR, J. - WIMMER, Gejza. Prevalence of varicose veins of the lower limbs in the women working at a department store. In International Angiology, 1991, vol. 10, p. 2-5. ISSN 0392-9590.

Citácie:
1. [1.1] MALKANI, Ram H. - KARIA, Rusin - THADANI, Sneh. A Study of Risk Factors of Chronic Venous Insufficiency and its Association with Features Suggestive of Preceding or Present Deep Venous Thrombosis. In INDIAN JOURNAL OF DERMATOLOGY. ISSN 0019-5154, 2019, vol. 64, no. 5, p. 366-371., Registrované v: WOS

ADEB34 WIMMER, Gejza - KOEHLER, R. - GROTJAHN, R. - ALTMANN, G. Towards a theory of word length distribution. In Journal of Quantitative Linguistics, 1994, vol. 1, p. 98-106.

Citácie:
1. [1.1] RAJPUT, Nikhil Kumar - AHUJA, Bhavya - RIYAL, Manoj Kumar. A statistical probe into the word frequency and length distributions prevalent in the translations of Bhagavad Gita. In PRAMANA-JOURNAL OF PHYSICS. ISSN 0304-4289, 2019, vol. 92, no. 4, art. no. 60, Published: APR 2019, Registrované v: WOS
2. [1.1] SUNECHER, Yuvraj - KHAN, Naushad Mamode - LOWAHEER, Vandna. Modelling with Dispersed Bivariate Moving Average Processes. In JOURNAL OF TIME SERIES ECONOMETRICS. ISSN 2194-6507, 2019, vol. 11, no. 1, art. no. UNSP 20180009 Published: JAN 2019, Registrované v: WOS

ADEB35 WIMMER, Gejza - ALTMANN, G. Review Article: On Vocabulary Richness. In Journal of Quantitative Linguistics, 1999, vol. 6, s. 1-9. ISSN 0929-6174.
Citácie:
1. [1.1] KOPLENIG, Alexander - WOLFER, Sascha - MUELLER-SPITZER, Carolin. Studying Lexical Dynamics and Language Change via Generalized Entropies: The Problem of Sample Size. In ENTROPY. ISSN 1099-4300, 2019, vol. 21, no. 5, art.no. 464, Published: MAY 2019, Registrované v: WOS

ADFA Vedecké práce v ostatných domácich časopisoch – impaktovaných

ADFA01 DVUREČENSKIJ, Anatolij - KOWALSKI, Tomasz. On decomposition of pseudo BL-algebras. In Mathematica Slovaca, 2011, vol. 61, p. 307-326. (2010: 0.316 - IF, Q4 - JCR, 0.257 - SJR, Q3 - SJR). ISSN 0139-9918. Dostupné na: https://doi.org/10.2478/s12175-011-0014-5
Citácie:
1. [1.1] AGLIANO, Paolo. Splittings in GBL-algebras II: The representable case. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 19-36., Registrované v: WOS
2. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS

ADFA02 KORBAŠ, Július. On the Stiefel-Whitney classes and the span of real Grassmannians. In Czechoslovak Mathematical Journal, 1986, vol. 36, no. 4, s. 541-552. ISSN 0011-4642.
Citácie:
1. [1.2] SANKARAN, Parameswaran. The vector field problem for homogeneous spaces. In Trends in Mathematics. ISSN 22970215, 2019-01-01, pp. 223-264., Registrované v: SCOPUS

ADFB Vedecké práce v ostatných domácich časopisoch – neimpaktovaných

ADFB01 BOCCUTO, A. - RIEČAN, Beloslav. The concave integral with respect to Riesz Space - valued capacities. In Mathematica Slovaca, 2009, vol. 59, s. 647-660. (2008: 0.177 - SJR, Q4 - SJR). ISSN 0139-9918.
Citácie:
1. [2.1] GAL, Sorin G. ON A CHOQUET-STIELTJES TYPE INTEGRAL ON INTERVALS. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 4, pp. 801-814., Registrované v: WOS

ADFB02 BORSÍK, Ján. Mappings preserving Cauchy nets. In Tatra Mountains Mathematical Publications, 2000, vol. 19, p. 63-73. ISSN 1210-3195.

Citácie:
1. [1.1] BEER, Gerald - BLOOMFIELD, Colin - ROBINSON, Grant. Split continuity. In JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS. ISSN 0022-247X, 2019, vol. 474, no. 2, p. 833-851., Registrované v: WOS

ADFB03 BORSÍK, Ján. Sums, differences, products and quotients of closed graph functions. In Tatra Mountains Mathematical Publications, 2002, vol. 24, p. 117-123. ISSN 1210-3195.

Citácie:
1. [1.1] SIEG, Waldemar - WOJTOWIEZ, Marek. Linear extensions of Baire-alpha functions. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 252, no., p. 103-111., Registrované v: WOS

ADFB04 BORSÍK, Ján. Bilateral quasicontinuity in topological spaces. In Tatra Mountains Mathematical Publications, 2004, vol. 28, s. 159-168. ISSN 1210-3195.

Citácie:
1. [1.1] DAS, Arkabrata - NESTERENKO, Vasyl';. On decomposition of continuity, B-quasicontinuity and closed graph. In TOPOLOGY AND ITS APPLICATIONS. ISSN 0166-8641, 2019, vol. 263, no., p. 325-329., Registrované v: WOS
2. [2.2] KUPKA, Ivan. Generalized Derivative and Generalized Continuity. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 77-84., Registrované v: SCOPUS

ADFB05 DI NOLA, Antonio - DVUREČENSKIJ, Anatolij. On some classes of state-morphism MV-algebras. In Mathematica Slovaca, 2009, vol. 59, p. 517-534. (2008: 0.177 - SJR, Q4 - SJR). ISSN 0139-9918.

Citácie:
1. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS
2. [1.1] FOROUZESH, F. - DARIJANI, A. SOME CLASSES OF STATE IDEALS IN STATE MV-ALGEBRAS. In EURASIAN MATHEMATICAL JOURNAL. ISSN 2077-9879, 2019, vol. 10, no. 2, pp. 37-48., Registrované v: WOS
3. [1.1] RASOULI, Saeed - ZARIN, Zeinab. On residuated lattices with left and right internal state. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 37-61., Registrované v: WOS

ADFB06 DUCHOŇ, Miloslav - MALIČKÝ, P. A Helly theorem for functions with values in metric spaces. In Tatra Mountains Mathematical Publications, 2009, vol. 44, p. 159-168. ISSN 1210-3195.

Citácie:
1. [1.1] ALESSI, Roberto - CRISMALE, Vito - ORLANDO, Gianluca. Fatigue Effects in Elastic Materials with Variational Damage Models: A Vanishing Viscosity Approach. In JOURNAL OF NONLINEAR SCIENCE. ISSN 0938-8974, 2019, vol. 29, no. 3, pp. 1041-1094., Registrované v: WOS

ADFB07 DUCHOŇ, Miloslav. A generalized Bernstein approximation theorem. In Tatra Mountains Mathematical Publications, 2011, vol. 49, p. 99-109. (2010: 0.146 - SJR, Q4 - SJR). ISSN 1210-3195. Dostupné na: https://doi.org/10.2478/v10127-011-0029-x

Citácie:
1. [1.1] BOTELHO, Fernanda - RENAUD, Holly. TOPOLOGICAL PROPERTIES OF OPERATIONS ON SPACES OF DIFFERENTIABLE FUNCTIONS. In ADVANCES IN OPERATOR THEORY. ISSN 2538-225X, 2019, vol. 4, no. 1, pp. 305-320., Registrované v: WOS

ADFB08 DVUREČENSKIJ, Anatolij. Ideals of pseudo-effect algebras and their applications. In Tatra Mountains Mathematical Publications, 2003, vol. 27, s. 45-65. ISSN 1210-3195.

Citácie:
1. [1.1] PULMANNOVA, S. Congruences and ideals in generalized pseudoeffect algebras revisited. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 735-745., Registrované v: WOS

ADFB09 DVUREČENSKIJ, Anatolij - HYČKO, Marek. Algebras on subintervals of BL-algebras, pseudo BL-algebras and bounded residuated l-monoids. In Mathematica Slovaca, 2006, vol. 56, s. 125-144. ISSN 0139-9918.

Citácie:
1. [1.1] ONER, T. - KATICAN, T. - ULKER, A. INTERVAL SHEFFER STROKE BASIC ALGEBRAS. In TWMS JOURNAL OF APPLIED AND ENGINEERING MATHEMATICS. ISSN 2146-1147, 2019, vol. 9, no. 1, pp. 134-141., Registrované v: WOS

ADFB10 DVUREČENSKIJ, Anatolij - GRAZIANO, M.G. Remarks on representations of minimal clans. In Tatra Mountains Mathematical Publications, 1998, vol. 15, p. 31-53. ISSN 1210-3195.

Citácie:
1. [1.1] AVALLONE, Anna - VITOLO, Paolo. Hahn decomposition in d(0)-algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 22, pp. 11373-11388., Registrované v: WOS

ADFB11 DVUREČENSKIJ, Anatolij - RACHUNEK, J. On Riečan and Bosbach states for bounded non-commutative Rl-monoids. In Mathematica Slovaca, 2006, vol. 56, p. 487-500. ISSN 0139-9918.

Citácie:
1. [1.1] CIUNGU, Lavinia Corina. Involutive filters of pseudo-hoops. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, pp. 9459-9476., Registrované v: WOS
2. [1.1] RASOULI, Saeed - ZARIN, Zeinab. On residuated lattices with left and right internal state. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 37-61., Registrované v: WOS
3. [1.1] ZUO, Weibing. New types of generalized Bosbach states on non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 3, pp. 947-959., Registrované v: WOS
4. [1.1] ZUO, Weibing. On the relationships between hybrid generalized Bosbach states and L-filters in non-commutative residuated lattices. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 17, pp. 7537-7555., Registrované v: WOS

ADFB12 DVUREČENSKIJ, Anatolij. On a sum of observables in a logic. In Mathematica Slovaca, 1980, vol. 30, s. 187-196. ISSN 0139-9918.

Citácie:
1. [2.1] MASSRI, Cesar - HOLIK, Federico - PLASTINO, Angelo. STATES IN GENERALIZED PROBABILISTIC MODELS: AN APPROACH BASED IN ALGEBRAIC GEOMETRY. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 1, pp. 53-70., Registrované v: WOS

ADFB13 FENG, Y.Q. - NEDELA, Roman. Symmetric cubic graphs of girth at most 7. In Acta Universitatis Matthiae Belii : Mathematics, 2006, vol. 13, s. 33-55.

Citácie:

1. [1.1] EIBEN, Eduard - JAJCAY, Robert - SPARL, Primoz. Symmetry properties of generalized graph truncations. In JOURNAL OF COMBINATORIAL THEORY SERIES B. ISSN 0095-8956, 2019, vol. 137, p. 291-315., Registrované v: WOS

ADFB14 HEDLÍKOVÁ, Jarmila - PULMANNOVÁ, Sylvia. Generalized difference posets and orthoalgebras. In Acta Mathematica Universitatis Comenianae, 1996, vol. 65, s. 247-279. ISSN 0862-9544.

Citácie:

1. [1.1] DVURECENSKIJ, Anatolij - ZAHIRI, Omid. Generalized pseudo-EMV-effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 20, pp. 9807-9819., Registrované v: WOS

2. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS

ADFB15 JAKUBÍK, Ján. A theorem of Cantor-Bernstein type for orthogonally sigma-complete pseudo MV-algebras. In Tatra Mountains Mathematical Publications, 2002, vol. 22, s. 91-103. ISSN 1210-3195.

Citácie:

1. [1.1] FREYTES, Hector. The Cantor-Bernstein-Schroder theorem via universal algebra. In ALGEBRA UNIVERSALIS. ISSN 0002-5240, 2019, vol. 80, no. 2., Registrované v: WOS

ADFB16 KOCHOL, Martin. Cubic graphs without a Petersen minor have nowhere-zero 5-flows. In Acta Mathematica Universitatis Comenianae, 1999, vol. 68, s. 249-252. ISSN 0862-9544.

Citácie:

1. [1.1] ROBERTSON, Neil - SEYMOUR, P. D. - THOMAS, Robin. Girth Six Cubic Graphs Have Petersen Minors. In COMBINATORICA. ISSN 0209-9683, 2019, vol. 39, no. 6, p. 1413-1423., Registrované v: WOS

ADFB17 PALENČÁR, R. - WIMMER, Gejza - HALAJ, Martin. Determination of the uncertainties and covariances in the calibration of the set of weights. In Measurement Science Review, 2002, vol. 2, no. 1. ISSN 1335-8871.

Citácie:

1. [2.1] KLIMENT, Tomas - MARKOVIC, Jaromir - SMIGURA, Dusan - ADAM, Peter. Diagnosis of the Accuracy of the Vehicle Scale Using Neural Network. In MEASUREMENT SCIENCE REVIEW. ISSN 1335-8871, 2019, vol. 19, no. 1, p. 14-19., Registrované v: WOS

ADFB18 PLOŠČICA, Miroslav. A natural representation of bounded lattices. In Tatra Mountains Mathematical Publications, 1995, vol. 5, p. 75-88. ISSN 1210-3195.

Citácie:

1. [1.1] CONRADIE, Willem - PALMIGIANO, Alessandra. Algorithmic correspondence and canonicity for non-distributive logics. In ANNALS OF PURE AND APPLIED LOGIC. ISSN 0168-0072, 2019, vol. 170, no. 9, pp. 923-974., Registrované v: WOS

2. [1.1] HARTONAS, Chrysafis - ORLOWSKA, Ewa. Representation of Lattices with Modal Operators in Two-Sorted Frames. In FUNDAMENTA INFORMATICAE. ISSN 0169-2968, 2019, vol. 166, no. 1, pp. 29-56., Registrované v: WOS

3. [1.1] HARTONAS, Chrysafis. Discrete duality for lattices with modal operators. In JOURNAL OF LOGIC AND COMPUTATION. ISSN 0955-792X, 2019, vol. 29, no. 1, pp. 71-89., Registrované v: WOS
4. [1.1] HARTONAS, Chrysafis. Game-theoretic semantics for non-distributive logics. In LOGIC JOURNAL OF THE IGPL. ISSN 1367-0751, 2019, vol. 27, no. 5, pp. 718-742., Registrované v: WOS
5. [1.2] CONRADIE, Willem - CRAIG, Andrew - PALMIGIANO, Alessandra - WIJNBERG, Nachoem M. Modelling Informational Entropy. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11541 LNCS, pp. 140-160., Registrované v: SCOPUS
6. [1.2] DÜNTSCH, Ivo - ORŁOWSKA, Ewa. A Discrete Representation of Lattice Frames. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11813 LNCS, pp. 86-97., Registrované v: SCOPUS
7. [1.2] HARTONAS, Chrysafis. Lattice logic as a fragment of (2-sorted) residuated modal logic. In Journal of Applied Non-Classical Logics. ISSN 11663081, 2019-04-03, 29, 2, pp. 152-170., Registrované v: SCOPUS

ADFB19 RIEČAN, Beloslav. On the product MV-algebras. In Tatra Mountains Mathematical Publications, 1999, vol. 16, s. 143-149. ISSN 1210-3195.

Citácie:

1. [1.1] MARKECHOVA, Dagmar - EBRAHIMZADEH, Abolfazl. R-norm entropy and R-norm divergence in product MV-algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, pp. 6085-6095., Registrované v: WOS
2. [2.2] BABICOVÁ, Dušana - FRIČ, Roman. Real Functions in Stochastic Dependence. In Tatra Mountains Mathematical Publications. ISSN 12103195, 2019-12-01, 74, 1, pp. 17-34., Registrované v: SCOPUS

ADFB20 RIEČAN, Beloslav. On a type of entropy of dynamical systems. In Tatra Mountains Mathematical Publications, 1992, vol. 1, p. 135-140. ISSN 1210-3195.

Citácie:

1. [1.1] RAHIMI, Mehdi - ANJEDANI, Mohammad Mohammadi. A local view on the Hudetz correction of the Yager entropy of dynamical systems. In INTERNATIONAL JOURNAL OF GENERAL SYSTEMS. ISSN 0308-1079, 2019, vol. 48, no. 3, pp. 321-333., Registrované v: WOS

ADFB21 STRAUCH, Oto - GREKOS, G. Distribution functions of ratio sequences, II. In Uniform Distribution Theory, 2007, vol. 2, s. 53-77. ISSN 1336-913X.

Citácie:

1. [1.1] BUKOR, Jozsef - FILIP, Ferdinand - TOTH, Janos T. On properties derived from different types of asymptotic distribution functions of ratio sequences. In PUBLICATIONES MATHEMATICAE-DEBRECEN. ISSN 0033-3883, 2019, vol. 95, no. 1-2, pp. 219-230., Registrované v: WOS

ADFB22 STRAUCH, Oto. A new moment problem of distribution functions in the unit interval. In Mathematica Slovaca, 1994, vol. 44, no. 2, p. 171-211. ISSN 0139-9918.

Citácie:

1. [1.1] BUKOR, Jozsef - FILIP, Ferdinand - TOTH, Janos T. On properties derived from different types of asymptotic distribution functions of ratio sequences. In PUBLICATIONES MATHEMATICAE-DEBRECEN. ISSN 0033-3883, 2019, vol. 95, no. 1-2, pp. 219-230., Registrované v: WOS

ADMA Vedecké práce v zahraničných impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADMA01 BALKO, Ľudovít - KORBAŠ, Július. A note on the characteristic rank of null-cobordant manifolds. In Acta Mathematica Hungarica, 2013, vol. 140, no. 1, s. 145-150. (2012: 0.348 - IF, Q4 - JCR, 0.691 - SJR). ISSN 0236-5294. Dostupné na: https://doi.org/10.1007/s10474-012-0279-3

Citácie:

1. [1.1] PRVULOVIC, Branislav I. - RADOVANOVIC, Marko. On the characteristic rank of vector bundles over oriented Grassmannians. In FUNDAMENTA MATHEMATICAE. ISSN 0016-2736, 2019, vol. 244, no. 2, pp. 167-190., Registrované v: WOS

ADMA02 DIBLÍK, J. - FEČKAN, Michal - POSPÍŠIL, Michal. Representation of a solution of the Cauchy problem for an oscillating system with two delays and permutable matrices. In Ukrainian Mathematical Journal, 2013, vol. 65, no. 1, p. 64-76. (2012: 0.154 - IF, Q4 - JCR, 0.323 - SJR). ISSN 0041-5995. Dostupné na: https://doi.org/10.1007/s11253-013-0765-y

Citácie:

1. [1.1] LI, Mengmeng - WANG, JinRong. Finite time stability and relative controllability of Riemann-Liouville fractional delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 18, pp. 6607-6623., Registrované v: WOS

2. [1.1] MAHMUDOV, N. A novel fractional delayed matrix cosine and sine. In APPLIED MATHEMATICS LETTERS. ISSN 0893-9659, 2019, vol. 92, no., pp. 41-48., Registrované v: WOS

3. [1.1] MAHMUDOV, Nazim I. Delayed perturbation of Mittag-Leffler functions and their applications to fractional linear delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 16, pp. 5489-5497., Registrované v: WOS

4. [1.1] YANG, Peng - WANG, JinRong - ZHOU, Yong. Representation of solution for a linear fractional delay differential equation of Hadamard type. In ADVANCES IN DIFFERENCE EQUATIONS. ISSN 1687-1847, 2019, no. 300, 7 pages., Registrované v: WOS

5. [1.1] YOU, Zhongli - WANG, JinRong - O';REGAN, D. Exponential Stability and Relative Controllability of Nonsingular Delay Systems. In BULLETIN OF THE BRAZILIAN MATHEMATICAL SOCIETY. ISSN 1678-7544, 2019, vol. 50, no. 2, pp. 457-479., Registrované v: WOS

6. [1.1] YOU, Zhongli - WANG, JinRong - O';REGAN, Donal - ZHOU, Yong. Relative controllability of delay differential systems with impulses and linear parts defined by permutable matrices. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 3, p. 954-968., Registrované v: WOS

7. [3.1] MAHMUDOV, N. I. Representation of a solution and stability for a sequential fractional impulsive time-delay linear systems. In IECMSA - 2019 : book of abstracts. Baku, 2019, p. 79-80.

ADMA03 FOULIS, David J - PULMANNOVÁ, Sylvia. Unitizing a generalized pseudo effect algebra. In Order, 2015, vol. 32, no. 2, s. 189-204. (2014: 0.621 - IF, Q2 - JCR, 0.705 - SJR, Q2 - SJR). (2015 - WOS, SCOPUS). ISSN 0167-8094. Dostupné na: https://doi.org/10.1007/s11083-014-9325-9

Citácie:
1. [1.1] DVURECENSKIJ, Anatolij - ZAHIRI, Omid. Generalized pseudo-EMV-effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 20, pp. 9807-9819., Registrované v: WOS
2. [1.1] GUO, Yanan - XIE, Yongjian. Direct limits of generalized pseudo-effect algebras with the Riesz decomposition properties. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 4, pp. 1071-1078., Registrované v: WOS
3. [1.1] YANG, Aili. Uniqueness of algebraic unitizations of generalized pseudo effect algebras. In JOURNAL OF DISCRETE MATHEMATICAL SCIENCES & CRYPTOGRAPHY. ISSN 0972-0529, 2019, vol. 22, no. 6, pp. 1035-1046., Registrované v: WOS

ADMA04 JAKUBÍKOVÁ-STUDENOVSKÁ, D. - PÓCS, Jozef. Formations of finite monounary algebras. In Algebra Universalis, 2012, vol. 68, no. 3-4, p. 249-255. (2011: 0.430 - IF, Q3 - JCR, 0.501 - SJR, Q3 - SJR). ISSN 0002-5240. Dostupné na: https://doi.org/10.1007/s00012-012-0208-x

Citácie:
1. [1.1] TSAREV, Aleksandr. Laws of the lattices of foliated formations of T-groups. In RENDICONTI DEL CIRCOLO MATEMATICO DI PALERMO. ISSN 0009-725X, 2019, vol. 68, no. 3, p. 433-440., Registrované v: WOS

ADMA05 KADKHODA, Nematollah** - FEČKAN, Michal - KHALILI, Yasser. Application of the exp(-\phi)-expansion method to the Pochhammer-Chree equation. In Filomat, 2018, vol. 32, no. 9, p. 3347-3354. (2017: 0.635 - IF, Q3 - JCR, 0.384 - SJR, Q3 - SJR). ISSN 0354-5180. Dostupné na: https://doi.org/10.2298/FIL1809347K

Citácie:
1. [1.1] CHEN, Guiying - XIN, Xiangpeng - LIU, Hanze. The Improved exp(-Phi(xi))-Expansion Method and New Exact Solutions of Nonlinear Evolution Equations in Mathematical Physics. In ADVANCES IN MATHEMATICAL PHYSICS. ISSN 1687-9120, 2019, vol. 2019., Registrované v: WOS

ADMA06 MAČUTEK, J. - WIMMER, Gejza. Evaluating goodness-of-fit of discrete distribution models in quantitative linguistics. In Journal of Quantitative Linguistics, 2013, vol. 20, no. 3, p. 227-240. (2012: 0.455 - IF, Q3 - JCR, 0.212 - SJR). ISSN 0929-6174. Dostupné na: https://doi.org/10.1080/09296174.2013.799912

Citácie:
1. [1.1] BUK, Solomija - KRYNYTSKYI, Yuri - ROVENCHAK, Andrij. PROPERTIES OF AUTOSEMANTIC WORD NETWORKS IN UKRAINIAN TEXTS. In ADVANCES IN COMPLEX SYSTEMS. ISSN 0219-5259, 2019, vol. 22, no. 6., Registrované v: WOS
2. [1.1] GUAN, Wei. Probability Distribution of Represented Sources in Conversations of Adults and Children. In JOURNAL OF QUANTITATIVE LINGUISTICS. ISSN 0929-6174, 2019., Registrované v: WOS
3. [1.1] LIAN, Fei - LI, Yuan. Word Length Distribution in German Texts during the 17(th)-19(th) Century. In JOURNAL OF QUANTITATIVE LINGUISTICS. ISSN 0929-6174, 2019., Registrované v: WOS
4. [1.1] MISTECKY, Michal - CECH, Radek - PLECHAC, Petr. In search of a euphony unit: A case study in Czech 1830s poetry. In SLOVO A SLOVESNOST. ISSN 0037-7031, 2019, vol. 80, no. 1, p. 27-38., Registrované v: WOS

ADMA07 POSPÍŠIL, Michal - ŠKRIPKOVÁ, L. Representation of solution of neutral differential equations with delay and with linear parts defined by pairwise permutable matrices. In Miskolc Mathematical Notes, 2015, vol. 16, no. 1, p. 423-438. (2014: 0.229 - IF, Q4 - JCR, 0.270 - SJR, Q4 - SJR). (2015 - WOS, SCOPUS). ISSN 1787-2405. Dostupné na internete: <http://mat76.mat.uni-miskolc.hu/~mnotes/index.php?page=contents>

Citácie:

1. [1.1] YENICERIOGLU, Ali Fuat. Stability of linear impulsive neutral delay differential equations with constant coefficients. In JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS. ISSN 0022-247X, 2019, vol. 479, no. 2, pp. 2196-2213., Registrované v: WOS

2. [3.1] SABANCIGIL, P. - KARA. M. - MAHMUDOV, N. I. Representation of solutions of neutral time delay equations and ulam-hyers stability. In IECMSA - 2019 : book of abstracts. Baku, 2019, p. 160.

ADMA08 PULMANNOVÁ, Sylvia. Commutator-Finite D-Lattices. In Order : a Journal on the Theory of Ordered Sets and its Applications, 2004, vol. 21, p. 91-105. ISSN 0167-8094. Dostupné na: https://doi.org/10.1007/s11083-004-5257-0 https://doi.org/10.1007/s11083-004-5257-0

Citácie:

1. [1.1] JI, Wei - XIE, Hai. Hyper-commutators in effect algebras. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 15, p. 5967-5973., Registrované v: WOS

ADMA09 PULMANNOVÁ, Sylvia. Tensor products of divisible effect algebras. In Bulletin of the Australian Mathematical Society, 2003, vol. 68, p. 127-140. ISSN 0004-9727. Dostupné na: https://doi.org/10.1017/s0004972700037485

Citácie:

1. [1.1] XU, Li-Jun - SHEN, Shuang-Quan - LI, Li - CHEN, Ting-Ting - ZHAN, Zhi-Ying - OU, Chun-Quan. A tensor product quasi-Poisson model for estimating health effects of multiple ambient pollutants on mortality. In ENVIRONMENTAL HEALTH. ISSN 1476-069X, 2019, vol. 18., Registrované v: WOS

ADMA10 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Controllability of Sobolev type fractional evolution systems. In Dynamics of Partial Differential Equations, 2014, vol. 11, no. 1, p. 71-87. (2013: 1.229 - IF, Q1 - JCR, 0.945 - SJR). ISSN 1548-159X.

Citácie:

1. [1.1] CHANG, Yong-Kui - PONCE, Rodrigo. SOBOLEV TYPE TIME FRACTIONAL DIFFERENTIAL EQUATIONS AND OPTIMAL CONTROLS WITH THE ORDER IN (1,2). In DIFFERENTIAL AND INTEGRAL EQUATIONS. ISSN 0893-4983, 2019, vol. 32, no. 9-10, pp. 517-540., Registrované v: WOS

2. [1.1] SINGH, Vikram - PANDEY, Dwijendra N. PC-Mild Solutions to Sobolev-Type Fractional Differential Equations with Non-instantaneous Impulses. In MEDITERRANEAN JOURNAL OF MATHEMATICS. ISSN 1660-5446, 2019, vol. 16, no. 4., Registrované v: WOS

3. [1.1] SINGH, Vikram. Controllability of Hilfer Fractional Differential Systems with Non-Dense Domain. In NUMERICAL FUNCTIONAL ANALYSIS AND OPTIMIZATION. ISSN 0163-0563, 2019, vol. 40, no. 13, pp. 1572-1592., Registrované v: WOS

4. [1.2] NIRMALKUMAR, R. - MURUGESU, R. Approximate controllability results for neutral stochastic differential equations of Sobolev type with unbounded delay in Hilbert spaces. In Journal of the Indian Mathematical Society. ISSN 00195839, 2019-01-01, 86, 1-2, pp. 79-94., Registrované v: SCOPUS

5. [1.2] NIRMALKUMAR, R. - MURUGESU, R. Approximate controllability results for second order neutral impulsive stochastic evolution equations of Sobolev type with unbounded delay. In Journal of Applied Nonlinear Dynamics. ISSN 21646457, 2019-01-01, 8, 2, pp. 291-304., Registrované v: SCOPUS

ADMA11 WANG, JinRong - DENG, JianHua - FEČKAN, Michal. Hermite-Hadamard-type inequalities for r-convex functions based on the use of Riemann-Liouville fractional integrals. In Ukrainian Mathematical Journal, 2013, vol. 65, no. 2, p. 193-211. (2012: 0.154 - IF, Q4 - JCR, 0.323 - SJR). ISSN 0041-5995. Dostupné na: https://doi.org/10.1007/s11253-013-0773-y

Citácie:

1. [1.2] DU, Tingsong - AWAN, Muhammad Uzair - KASHURI, Artion - ZHAO, Shasha. Some k-fractional extensions of the trapezium inequalities through generalized relative semi-(m,h)-preinvexity. In Applicable Analysis. ISSN 00036811, 2019-01-01., Registrované v: SCOPUS

ADMA12 WANG, JinRong - WEI, W. - FEČKAN, Michal. Nonlocal Cauchy problems for fractional evolution equations involving Volterra-Fredholm type integral operators. In Miskolc Mathematical Notes, 2012, vol. 13, no. 1, p. 127-147. (2011: 0.351 - IF, Q4 - JCR, 0.107 - SJR, Q4 - SJR). ISSN 1787-2405.

Citácie:

1. [1.1] MAHMUDOV, Nazim I. - AL-KHATEEB, Areen. Existence and Ulam-Hyers stability of coupled sequential fractional differential equations with integral boundary conditions. In JOURNAL OF INEQUALITIES AND APPLICATIONS. ISSN 1029-242X, 2019., Registrované v: WOS

2. [1.2] MAHMUDOV, N. I. - AWADALLA, M. On sequential fractional differential equations with nonlocal integral boundary conditions. In Journal of Computational Analysis and Applications. ISSN 15211398, 2019-04-01, 26, 4, pp. 628-638., Registrované v: SCOPUS

3. [1.2] WANG, Li - ZHAI, Chengbo. Unique solutions for new fractional differential equations with-Laplacian and infinite-point boundary conditions. In International Journal of Dynamical Systems and Differential Equations. ISSN 17523583, 2019-01-01, 9, 1, pp. 1-13., Registrované v: SCOPUS

ADMA13 WIMMER, Gejza - WITKOVSKÝ, Viktor. Between group variance component interval estimation for the unbalanced heteroscedastic one-way random effects model. In Journal of Statistical Computation and Simulation, 2003, vol. 73, no. 5, p. 333-346. (2002: 0.223 - IF). (2003 - WOS, SCOPUS). ISSN 0094-9655. Dostupné na: https://doi.org/10.1080/0094965021000038940

Citácie:

1. [1.1] KIM, Dal Ho - LEE, Woo Dong - KANG, Sang Gil - KIM, Yongku. Noninformative priors for the between-group variance in the unbalanced one-way random effects model with heterogeneous error variances. In JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION. ISSN 0094-9655, 2019, vol. 89, no. 10, p. 1935-1956., Registrované v: WOS

ADMB Vedecké práce v zahraničných neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADMB01 ARENDACKÁ, Barbora - SCHWARZ, K. - ŠTOLC, Svorad - WIMMER, Gejza, ml. - WITKOVSKÝ, Viktor. Variability issues in determining the concentration of isoprene in human breath by PTR-MS. In Journal of Breath Research, 2008, vol. 2, p. 037007. (2008 - WOS, SCOPUS). ISSN 1752-7155. Dostupné na: https://doi.org/10.1088/1752-7155/2/3/037007

Citácie:

1. [1.1] HE, Junzhou - SUN, Xiao - YANG, Xudong. Human respiratory system as sink for volatile organic compounds: Evidence from field measurements. In INDOOR AIR. ISSN 0905-6947, 2019, vol. 29, no. 6, pp. 968-978., Registrované v: WOS

ADMB02 BRZOZOWSKI, Janusz - JIRÁSKOVÁ, Galina - LIU, Bo - RAJASEKARAN, Aayush - SZYKUŁA, Marek. On the state complexity of the shuffle of regular languages. In Lecture Notes in Computer Science : Descriptional Complexity of Formal Systems, 2016, vol. 9777, p. 73-86. (2015: 0.369 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-41114-9_6

Citácie:

1. [1.1] HOFFMANN, Stefan. Commutative Regular Languages Properties and State Complexity. In ALGEBRAIC INFORMATICS, CAI 2019. ISSN 0302-9743, 2019, vol. 11545, p. 151-163., Registrované v: WOS

2. [1.1] JIRASEK, Jozef - PALMOVSKY, Matus - SEBEJ, Juraj. Kuratowski Algebras Generated by Prefix-, Suffix-, Factor-, and Subword-Free Languages Under Star and Complementation. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 1091-1115., Registrované v: WOS

3. [1.2] CARON, Pascal - HAMEL-DE-LE-COURT, Edwin - LUQUE, Jean Gabriel. Algebraic and combinatorial tools for state complexity: Application to the Star-XOR problem. In Electronic Proceedings in Theoretical Computer Science, EPTCS. ISSN 20752180, 2019-09-18, 305, p. 154-168., Registrované v: SCOPUS

ADMB03 BRZOZOWSKI, Janusz - JIRÁSKOVÁ, Galina - LI, Baiyu - SMITH, Joshua. Quotient complexity of bifix-, factor-, and subword-free regular languages. In Acta Cybernetica, 2014, vol. 21, no. 4, p. 507-527. (2013: 0.139 - SJR). ISSN 0324-721X. Dostupné na: https://doi.org/10.14232/actacyb.21.4.2014.1

Citácie:

1. [1.2] FERENS, Robert - SZYKUŁA, Marek. Complexity of bifix-free regular languages. In Theoretical Computer Science. ISSN 03043975, 2019-10-01, 787, pp. 14-27., Registrované v: SCOPUS

2. [1.2] HOSPODÁR, Michal. Descriptional Complexity of Power and Positive Closure on Convex Languages. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11601 LNCS, p. 158-170., Registrované v: SCOPUS

ADMB04 BUTKA, Peter - PÓCS, Jozef** - PÓCSOVÁ, Jana. Isotone galois connections and generalized one-sided concept lattices. In Advances in Intelligent Systems and Computing : Multimedia and Network Information Systems, 2019, vol. 833, p. 151-160. (2018: 0.174 - SJR, Q3 - SJR). ISSN 2194-5357. Dostupné na: https://doi.org/10.1007/978-3-319-98678-4_17

Citácie:
1. [1.1] CABRERA, I. P. - CORDERO, P. - MUNOZ-VELASCO, E. - OJEDA-ACIEGO, M. Towards fuzzy relational Galois connections between fuzzy T-digraphs. In PROCEEDINGS OF THE 11TH CONFERENCE OF THE EUROPEAN SOCIETY FOR FUZZY LOGIC AND TECHNOLOGY (EUSFLAT 2019), 2019, vol. 1, p. 820-826., Registrované v: WOS

ADMB05 DI LUNA, G. - DOBREV, Stefan - FLOCCHINI, Paola - SANTORO, Nicola. Live exploration of dynamic rings. In IEEE International Conference on Distributed Computing Systems, 2016, p. 570-579. (2015: 0.461 - SJR). (2016 - SCOPUS). ISSN 1063-6927. Dostupné na: https://doi.org/10.1109/ICDCS.2016.59

Citácie:
1. [1.1] BOURNAT, Marjorie - DATTA, Ajoy K. - DUBOIS, Swan. Self-stabilizing robots in highly dynamic environments. In THEORETICAL COMPUTER SCIENCE. ISSN 0304-3975, 2019, vol. 772, p. 88-110., Registrované v: WOS
2. [1.2] ERLEBACH, Thomas - KAMMER, Frank - LUO, Kelin - SAJENKO, Andrej - SPOONER, Jakob T. Two moves per time step make a difference. In Leibniz International Proceedings in Informatics, LIPIcs. ISSN 18688969, 2019-07-01, 132, pp., Registrované v: SCOPUS

ADMB06 DOBREV, Stefan - KRANAKIS, E. - KRIZANC, D. - LAFOND, Manuel - MAŇUCH, Ján - NARAYANAN, Lata - OPATRNY, Jaroslav - SHENDE, Sunil - STACHO, Ladislav. Weak coverage of a rectangular barrier. In Lecture Notes in Computer Science : Algorithms and Complexity, 2017, vol. 10236, p. 196-208. (2016: 0.339 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-57586-5_17

Citácie:
1. [1.1] SHEN, Weiqiang - ZHANG, Chuanlin - SHI, Jinglun. Weak k-Barrier Coverage Problem in Underwater Wireless Sensor Networks. In MOBILE NETWORKS & APPLICATIONS. ISSN 1383-469X, 2019, vol. 24, no. 5, p. 1526-1541., Registrované v: WOS

ADMB07 DOBREV, Stefan - LAFOND, Manuel - NARAYANAN, Lata - OPATRNY, Jaroslav. Optimal local buffer management for information gathering with adversarial traffic. In Annual ACM Symposium on Parallelism in Algorithms and Architectures, 2017, p. 265-274. ISBN 978-1-4503-4593-4. Dostupné na: https://doi.org/10.1145/3087556.3087577

Citácie:
1. [1.1] MILLER, Avery - PATT-SHAMIR, Boaz - ROSENBAUM, Will. With Great Speed Come Small Buffers: Space-Bandwidth Tradeoffs for Routing. In PROCEEDINGS OF THE 2019 ACM SYMPOSIUM ON PRINCIPLES OF DISTRIBUTED COMPUTING (PODC ';19), 2019, p. 117-126., Registrované v: WOS
2. [1.1] PATT-SHAMIR, Boaz - ROSENBAUM, Will. Space-Optimal Packet Routing on Trees. In IEEE CONFERENCE ON COMPUTER COMMUNICATIONS (IEEE INFOCOM 2019). ISSN 0743-166X, 2019, p. 1036-1044., Registrované v: WOS

ADMB08 FEČKAN, Michal - POSPÍŠIL, Michal. Bifurcation from family of periodic orbits in discontinuous autonomous systems. In Differential Equations and Dynamical Systems, 2012, vol. 20, no. 3, s. 207-234. ISSN 0971-3514.

Citácie:
1. [1.1] FAN, Zhihui - DU, Zhengdong. Bifurcation of Periodic Orbits Crossing Switching Manifolds Multiple Times in Planar Piecewise Smooth Systems. In INTERNATIONAL JOURNAL OF BIFURCATION AND CHAOS. ISSN 0218-1274, 2019, vol. 29, no. 12, art. no. 1950160., Registrované v: WOS
2. [1.1] WANG, Jingjing - JIA, Yunfeng. Analysis on bifurcation and stability of a generalized Gray-Scott chemical reaction model. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2019, vol. 528, art. no. 121394., Registrované v: WOS

ADMB09 GRENDÁR, Marián. Entropy and effective support size. In Entropy, 2006, vol. 8, no. 3, p. 169-174. (2005: 0.300 - SJR, Q3 - SJR). ISSN 1099-4300. Dostupné na: https://doi.org/10.3390/e8030169

Citácie:
1. [1.1] FOSTER, David H. - AMANO, Kinjiro. Hyperspectral imaging in color vision research: tutorial. In JOURNAL OF THE OPTICAL SOCIETY OF AMERICA A-OPTICS IMAGE SCIENCE AND VISION. ISSN 1084-7529, 2019, vol. 36, no. 4, pp. 606-627., Registrované v: WOS
2. [1.1] VILLAS-BOAS, Sofia B. - FU, Qiuzi - JUDGE, George. Entropy based European income distributions and inequality measures. In PHYSICA A-STATISTICAL MECHANICS AND ITS APPLICATIONS. ISSN 0378-4371, 2019, vol. 514, pp. 686-698., Registrované v: WOS

ADMB10 HOLÁ, Ľubica - ZSILINSZKY, László. Completeness and related properties of the graph topology on function spaces. In Topology Proceedings, 2015, vol. 46, p. 1-14. (2014: 0.480 - SJR). ISSN 0146-4124. Dostupné na internete: <http://topology.auburn.edu/tp/reprints/v46/tp46001p1.pdf>

Citácie:
1. [1.1] JINDAL, A. - JINDAL, V. The regular topology on C(X, Y). In ACTA MATHEMATICA HUNGARICA. ISSN 0236-5294, 2019, vol. 158, no. 1, pp. 1-16., Registrované v: WOS

ADMB11 HOSPODÁR, Michal - HOLZER, Markus**. The ranges of accepting state complexities of languages resulting from some operations. In Lecture Notes in Computer Science : Implementation and Application of Automata, 2018, vol. 10977, p. 198-210. (2017: 0.295 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-94812-6_17

Citácie:
1. [1.1] DASSOW, Juergen. Operational Accepting State Complexity: The Unary and Finite Case. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, pp. 959-978., Registrované v: WOS

ADMB12 JENČOVÁ, Anna. Comparison of quantum channels and statistical experiments. In IEEE International Symposium on Information Theory, 2016, vol., p. 2249-2253. (2015: 0.662 - SJR). (2016 - SCOPUS). ISSN 2157-8117. Dostupné na: https://doi.org/10.1109/ISIT.2016.7541699

Citácie:
1. [1.1] BUSCEMI, Francesco - SUTTER, David - TOMAMICHEL, Marco. An information-theoretic treatment of quantum dichotomies. In QUANTUM. ISSN 2521-327X, 2019, vol. 3., Registrované v: WOS
2. [1.1] TAKAGI, Ryuji - REGULA, Bartosz. General Resource Theories in Quantum Mechanics and Beyond: Operational Characterization via Discrimination Tasks. In PHYSICAL REVIEW X. ISSN 2160-3308, 2019, vol. 9, no. 3, art. no. 31053., Registrované v: WOS

ADMB13 JENČOVÁ, Anna - PLÁVALA, Martin. On the properties of spectral effect algebras. In Quantum : the open journal for quantum science, 2019, vol. 3, p. 148. (2019 - Current Contents, WOS, SCOPUS). ISSN 2521-327X. Dostupné na: https://doi.org/10.22331/q-2019-06-03-148

Citácie:

1. [1.1] GUDDER, Stan. Contexts in Convex and Sequential Effect Algebras. In ELECTRONIC PROCEEDINGS IN THEORETICAL COMPUTER SCIENCE. ISSN 2075-2180, 2019, no. 287, p. 191-211., Registrované v: WOS

2. [3.1] BISIO Alessandro. The importance of being spectral. In Quantum Views, ISSN 2521-327X, 3 (2019) p. 15.

ADMB14 JIRÁSKOVÁ, Galina - SZABARI, Alexander - ŠEBEJ, Juraj. The complexity of languages resulting from the concatenation operation. In Lecture Notes in Computer Science : Descriptional Complexity of Formal Systems, 2016, vol. 9777, p. 153-167. (2015: 0.369 - SJR, Q2 - SJR). ISSN 0302-9743. Dostupné na: https://doi.org/10.1007/978-3-319-41114-9_12

Citácie:

1. [1.2] HOLZER, Markus - HOSPODÁR, Michal. The Range of State Complexities of Languages Resulting from the Cut Operation. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11417 LNCS, p. 190-202., Registrované v: SCOPUS

ADMB15 MEDVEĎ, Milan - POSPÍŠIL, Michal*. Representation of solutions of systems of linear differential equations with multiple delays and linear parts given by nonpermutable matrices. In Journal of Mathematical Sciences, 2018, vol. 228, no. 3, p. 276-289. (2017: 0.304 - SJR, Q3 - SJR). ISSN 1072-3374. Dostupné na: https://doi.org/10.1007/s10958-017-3620-0

Citácie:

1. [1.1] LI, Mengmeng - WANG, JinRong. Finite time stability and relative controllability of Riemann-Liouville fractional delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 18, pp. 6607-6623., Registrované v: WOS

2. [1.1] MAHMUDOV, Nazim I. Delayed perturbation of Mittag-Leffler functions and their applications to fractional linear delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 16, pp. 5489-5497., Registrované v: WOS

ADMB16 OLEJNIK, F. - AWREJCEWICZ, Jan - FEČKAN, Michal. An approximation method for the numerical solution of planar discontinuous dynamical systems with stick-slip friction. In Applied Mathematical Sciences, 2014, vol. 8, no. 145, p. 7213-7238. ISSN 0066-5452.

Citácie:

1. [1.1] MFOUMOU, Guy Serges - KENMOE, G. Djuidje - KOFANE, T. C. Computational algorithms of time series for stick-slip dynamics and time-delayed feedback control of chaos for a class of discontinuous friction systems. In MECHANICAL SYSTEMS AND SIGNAL PROCESSING. ISSN 0888-3270, 2019, vol. 119, p. 399-419., Registrované v: WOS

ADMB17 POSPÍŠIL, Michal - DIBLIK, J. - FEČKAN, Michal. On relative controllability of delayed difference equations with multiple control functions. In AIP Conference Proceedings, 2015, vol. 1648, art. no. UNSP 130001. (2014: 0.171 - SJR). (2015 - WOS, SCOPUS). ISSN 0094-243X. Dostupné na: https://doi.org/10.1063/1.4912420

Citácie:
1. [1.1] LI, Mengmeng - WANG, JinRong. Finite time stability and relative controllability of Riemann-Liouville fractional delay differential equations. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 18, pp. 6607-6623., Registrované v: WOS

ADMB18 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. Nonexistence of periodic solutions and asymptotically periodic solutions for fractional differential equations. In Communications in Nonlinear Science and Numerical Simulation, 2013, vol. 18, no. 2, p. 246-256. Dostupné na: https://doi.org/10.1016/j.cnsns.2012.07.004

Citácie:
1. [1.1] KUCCHE, Kishor D. - MALI, Ashwini D. - SOUSA, J. Vanterler da C. On the nonlinear Psi-Hilfer fractional differential equations. In COMPUTATIONAL & APPLIED MATHEMATICS. ISSN 2238-3603, 2019, vol. 38, no. 2., Registrované v: WOS
2. [1.1] VIGUE, Pierre - VERGEZ, Christophe - LOMBARD, Bruno - COCHELIN, Bruno. Continuation of periodic solutions for systems with fractional derivatives. In NONLINEAR DYNAMICS. ISSN 0924-090X, 2019, vol. 95, no. 1, pp. 479-493., Registrované v: WOS
3. [1.1] WEBB, Jeffrey R. L. INITIAL VALUE PROBLEMS FOR CAPUTO FRACTIONAL EQUATIONS WITH SINGULAR NONLINEARITIES. In ELECTRONIC JOURNAL OF DIFFERENTIAL EQUATIONS. ISSN 1072-6691, 2019., Registrované v: WOS

ADMB19 WANG, JinRong - FEČKAN, Michal - ZHOU, Yong. On the stability of first order impulsive evolution equations. In Opuscula Mathematica, 2014, vol. 34, no. 3, p. 639-657. (2013: 0.159 - SJR). ISSN 1232-9274.

Citácie:
1. [1.1] SATCO, Bianca-Renata. Ulam-type stability for differential equations driven by measures. In MATHEMATISCHE NACHRICHTEN. ISSN 0025-584X, 2019., Registrované v: WOS
2. [1.1] SHAH, Syed Omar - ZADA, Akbar - HAMZA, Alaa E. Stability Analysis of the First Order Non-linear Impulsive Time Varying Delay Dynamic System on Time Scales. In QUALITATIVE THEORY OF DYNAMICAL SYSTEMS. ISSN 1575-5460, 2019, vol. 18, no. 3, pp. 825-840., Registrované v: WOS
3. [1.1] SHAH, Syed Omar - ZADA, Akbar. Existence, uniqueness and stability of solution to mixed integral dynamic systems with instantaneous and noninstantaneous impulses on time scales. In APPLIED MATHEMATICS AND COMPUTATION. ISSN 0096-3003, 2019, vol. 359, no., pp. 202-213., Registrované v: WOS
4. [1.1] SHAH, Syed Omar - ZADA, Akbar. On the Stability Analysis of Non-Linear Hammerstein Impulsive Integro-Dynamic System on Time Scales with Delay. In PUNJAB UNIVERSITY JOURNAL OF MATHEMATICS. ISSN 1016-2526, 2019, vol. 51, no. 7, pp. 89-98., Registrované v: WOS
5. [1.1] SHAH, Syed Omar - ZADA, Akbar. The Ulam stability of non-linear Volterra integro-dynamic equations on time scales. In NOTE DI MATEMATICA. ISSN 1123-2536, 2019, vol. 39, no. 2, pp. 57-69., Registrované v: WOS
6. [1.1] WANG, Xiaoming - ARIF, Muhammad - ZADA, Akbar. beta-Hyers-Ulam-Rassias Stability of Semilinear Nonautonomous Impulsive System. In SYMMETRY-BASEL, 2019, vol. 11, no. 2., Registrované v: WOS

7. [1.1] ZADA, Akbar - ALI, Wajid - PARK, Choonkil. Ulam';s type stability of higher order nonlinear delay differential equations via integral inequality of Gronwall-Bellman-Bihari';s type. In APPLIED MATHEMATICS AND COMPUTATION. ISSN 0096-3003, 2019, vol. 350, no., pp. 60-65., Registrované v: WOS

8. [1.1] ZADA, Akbar - SHALEENA, Shaleena - LI, Tongxing. Stability analysis of higher order nonlinear differential equations in beta-normed spaces. In MATHEMATICAL METHODS IN THE APPLIED SCIENCES. ISSN 0170-4214, 2019, vol. 42, no. 4, pp. 1151-1166., Registrované v: WOS

ADMB20 WIMMER, Gejza - WITKOVSKÝ, Viktor - ALTMANN, G. Modification of probability distributions Applied to word length research. In Journal of Quantitative Linguistics, 1999, vol. 6, p. 257-268. (1999 - SCOPUS). ISSN 0929-6174. Dostupné na: https://doi.org/10.1076/jqul.6.3.257.6163

Citácie:

1. [1.2] WEI, Aiyun - LU, Qian - LIU, Haitao. Word Length Distribution in Zhuang Language. In JOURNAL OF QUANTITATIVE LINGUISTICS. ISSN 0929-6174, 2019., Registrované v: SCOPUS

ADMB21 WIMMER, Gejza - WITKOVSKÝ, Viktor. Two models for linear comparative calibration. In International Journal of Metrology and Quality Engineering, 2012, vol. 3, no. 3, s. 179-184. ISSN 2107-6839. Dostupné na: https://doi.org/10.1051/ijmqe/2012026

Citácie:

1. [1.1] GARDUNO MENDIETA, Victor - URBIETA PARRAZALES, Romeo - MEDEL JUAREZ, Jose de Jesus. Meteorological Portable System Consulted Via Wi-Fi. In COMPUTACION Y SISTEMAS. ISSN 1405-5546, 2019, vol. 23, no. 4, pp. 1487-1497., Registrované v: WOS

ADNA Vedecké práce v domácich impaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADNA01 BORSÍK, Ján - HOLOS, J. Some properties of porouscontinuous functions. In Mathematica Slovaca, 2014, vol. 64, p. 741-750. (2013: 0.451 - IF, Q3 - JCR, 0.284 - SJR). (2014 - WOS). ISSN 0139-9918. Dostupné na: https://doi.org/10.2478/s12175-014-0237-3

Citácie:

1. [1.1] KOWALCZYK, Stanislaw - TUROWSKA, Malgorzata. Methods of comparison of families of real functions in porosity terms. In GEORGIAN MATHEMATICAL JOURNAL. ISSN 1072-947X, 2019, vol. 26, no. 4, pp. 643-654., Registrované v: WOS

2. [1.1] KOWALCZYK, Stanislaw - TUROWSKA, Malgorzata. Topologies on Normed Spaces Generated by Porosity. In FILOMAT. ISSN 0354-5180, 2019, vol. 33, no. 1, pp. 335-352., Registrované v: WOS

3. [2.1] KOWALCZYK, Stanislaw - TUROWSKA, Malgorzata. COMPOSITIONS OF POROUSCONTINUOUS FUNCTIONS. In MATHEMATICA SLOVACA. ISSN 0139-9918, 2019, vol. 69, no. 1, p. 199-212., Registrované v: WOS

ADNA02 LIU, Shengda - WANG, JinRong - ZHOU, Yong - FEČKAN, Michal. Iterative learning control with pulse compensation for fractional differential systems. In Mathematica Slovaca, 2018, vol. 68, no. 3, p. 563-574. (2017: 0.314 - IF, Q4 - JCR, 0.339 - SJR, Q3 - SJR). (2018 - WOS, SCOPUS). ISSN 0139-9918. Dostupné na: https://doi.org/10.1515/ms-2017-0125

Citácie:
1. [1.1] AHMAD, Manzoor - ZADA, Akbar - ALZABUT, Jehad. Hyers-Ulam stability of a coupled system of fractional differential equations of Hilfer-Hadamard type. In DEMONSTRATIO MATHEMATICA. ISSN 0420-1213, 2019, vol. 52, no. 1, pp., Registrované v: WOS
2. [1.1] HA, Shumin - LIU, Heng - LI, Shenggang. Adaptive fuzzy backstepping control of fractional-order chaotic systems with input saturation. In JOURNAL OF INTELLIGENT & FUZZY SYSTEMS. ISSN 1064-1246, 2019, vol. 37, no. 5, pp. 6513-6525., Registrované v: WOS
3. [1.2] LI, Guanjun - SUN, Chunxiang. Adaptive neural network backstepping control of fractional-order Chua–Hartley chaotic system. In Advances in Difference Equations. ISSN 16871839, 2019-12-01, 2019, 1, pp., Registrované v: SCOPUS
4. [1.2] LI, Yuan - LIU, Aijing - YANG, Chunzhi. Adaptive Sliding Mode Control of a Class of Fractional-Order Nonlinear Systems with Input Uncertainties. In IEEE Access, 2019-01-01, 7, pp. 74190-74197., Registrované v: SCOPUS
5. [1.2] QIN, Xiaoli - LI, Shenggang - LIU, Heng. Adaptive fuzzy synchronization of uncertain fractional-order chaotic systems with different structures and time-delays. In Advances in Difference Equations. ISSN 16871839, 2019-12-01, 2019, 1, pp., Registrované v: SCOPUS
6. [1.2] WANG, Chenhui. Adaptive dynamic surface control of parametric uncertain and disturbed strict-feedback nonlinear systems. In Advances in Difference Equations. ISSN 16871839, 2019-12-01, 2019, 1, pp., Registrované v: SCOPUS

ADNA03 WANG, JinRong - DENG, JianHua - FEČKAN, Michal. Exploring s-e-condition and applications to some Ostrowski type inequalities via Hadamard fractional integrals. In Mathematica Slovaca, 2014, vol. 64, no. 6, p. 1381-1396. (2013: 0.451 - IF, Q3 - JCR, 0.284 - SJR). (2014 - WOS). ISSN 0139-9918.

Citácie:
1. [1.1] LEI, Hui - HU, Gou - CAO, Zhi-Jie - DU, Ting-Song. Hadamard k-fractional inequalities of Fejer type for GA-s-convex mappings and applications. In JOURNAL OF INEQUALITIES AND APPLICATIONS. ISSN 1029-242X, 2019, vol. 2019, no. 1., Registrované v: WOS
2. [1.1] THATSATIAN, Arisa - NTOUYAS, Sotiris K. - TARIBOON, Jessada. SOME OSTROWSKI TYPE INEQUALITIES FOR p-CONVEX FUNCTIONS VIA GENERALIZED FRACTIONAL INTEGRALS. In JOURNAL OF MATHEMATICAL INEQUALITIES. ISSN 1846-579X, 2019, vol. 13, no. 2, pp. 467-478., Registrované v: WOS

ADNB Vedecké práce v domácich neimpaktovaných časopisoch registrovaných v databázach Web of Science alebo SCOPUS

ADNB01 LUO, Dahui - WANG, JinRong - FEČKAN, Michal. Applying fractional calculus to analyze economic growth modelling. In Journal of Applied Mathematics, Statistics and Informatics, 2018, vol. 14, no. 1, p. 25-36. ISSN 1339-0015. Dostupné na: https://doi.org/10.2478/jamsi-2018-0003

Citácie:
1. [1.1] CHIRANJEEVI, Tirumalasetty - BISWAS, Raj Kumar. Closed-form solution of optimal control problem of a fractional order system. In JOURNAL OF KING SAUD UNIVERSITY SCIENCE. ISSN 1018-3647, 2019, vol. 31, no. 4, pp. 1042-1047., Registrované v: WOS

2. [1.1] PONKRATOV, Vadim - KARAEV, Alan - MASTEROV, Andrey - GORLOVA, Oksana - SEDOVA, Marina - SHMIGOL, Nataliya. Productivity and Economic Growth by Using Business Management Based on the E-marketing: Evidence from Developed and Developing Countries, 2000-2018. In INDUSTRIAL ENGINEERING AND MANAGEMENT SYSTEMS. ISSN 1598-7248, 2019, vol. 18, no. 3, pp. 463-473., Registrované v: WOS
3. [1.1] TARASOV, Vasily E. - TARASOVA, Valentina V. Dynamic Keynesian Model of Economic Growth with Memory and Lag. In MATHEMATICS, 2019, vol. 7, no. 2, pp., Registrované v: WOS
4. [1.1] TARASOV, Vasily E. - TARASOVA, Valentina V. Harrod-Domar Growth Model with Memory and Distributed Lag. In AXIOMS. ISSN 2075-1680, 2019, vol. 8, no. 1, pp., Registrované v: WOS
5. [1.1] TARASOV, Vasily E. - TARASOVA, Valentina V. Logistic equation with continuously distributed lag and application in economics. In NONLINEAR DYNAMICS. ISSN 0924-090X, 2019, vol. 97, no. 2, pp. 1313-1328., Registrované v: WOS
6. [1.1] TARASOV, Vasily E. On History of Mathematical Economics: Application of Fractional Calculus. In MATHEMATICS. ISSN 2227-7390, 2019, vol. 7, no. 6, pp., Registrované v: WOS

ADNB02 SEDLIAK, Anton - ŽÁČIK, Tibor. Optimization of the gas transport in pipeline systems. In Tatra Mountains Mathematical Publications, 2016, vol. 66, p. 103-120. (2015: 0.244 - SJR, Q4 - SJR). ISSN 1210-3195. Dostupné na: https://doi.org/10.1515/tmmp-2016-0024

Citácie:
1. [1.1] SAMPAYO TRUJILLO, Emilio - FLORES DE LA MOTA, Idalia. State of the Art for the Optimization and Simulation of the Distribution of Hydrocarbons. In INTERNATIONAL JOURNAL OF COMBINATORIAL OPTIMIZATION PROBLEMS AND INFORMATICS. ISSN 2007-1558, 2019, vol. 10, no. 3, pp. 59-+., Registrované v: WOS
2. [1.2] ANDRADE-MAHECHA, Jaime Fernando - MASSY-SANCHEZ, Grigory Ibrahim. Simulation of the operation of a natural gas transport system based on a criterion of minimum operating cost. In DYNA (Colombia). ISSN 00127353, 2019-01-01, 86, 211, p. 308-316., Registrované v: SCOPUS

ADNB03 STRAUCH, Oto. Distribution functions of ratio sequences. An expository paper. In Tatra Mountains Mathematical Publications, 2015, vol. 64, p. 133-185. (2014: 0.191 - SJR, Q4 - SJR). (2015 - SCOPUS). ISSN 1210-3195. Dostupné na internete: <https://www.sav.sk/journals/uploads/0205125609Strauc.pdf>

Citácie:
1. [1.1] BUKOR, Jozsef - FILIP, Ferdinand - TOTH, Janos T. On properties derived from different types of asymptotic distribution functions of ratio sequences. In PUBLICATIONES MATHEMATICAE-DEBRECEN. ISSN 0033-3883, 2019, vol. 95, no. 1-2, pp. 219-230., Registrované v: WOS

***AEC Vedecké práce v zahraničných recenzovaných vedeckých zborníkoch, monografiách**

AEC01 BALAMOHAN, Balasingham - DOBREV, Stefan - FLOCCHINI, Paola - SANTORO, Nicola. Asynchronous Exploration of an Unknown Anonymous Dangerous Graph with O(1) Pebbles. In Lecture Notes in Computer Science, Vol. 7355. - Berlin : Springer, 2012, s. 279-290. ISBN 978-3-642-16065-3. ISSN 0302-9743.

Citácie:
1. [1.2] MARKOU, Euripides - SHI, Wei. Dangerous graphs. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11340 LNCS, p. 455-515., Registrované v: SCOPUS

AEC02 CMORIK, Roland - JIRÁSKOVÁ, Galina. Basic operations on binary suffix-free languages. In Lecture Notes in Computer Science, vol. 7119. - Heidelberg : Springer, 2012, s. 94-102.

Citácie:
1. [1.1] FERENS, Robert - SZYKULA, Marek. Complexity of bifix-free regular languages. In THEORETICAL COMPUTER SCIENCE. ISSN 0304-3975, 2019, vol. 787, no., p. 14-27., Registrované v: WOS
2. [1.2] HOSPODÁR, Michal. Descriptional Complexity of Power and Positive Closure on Convex Languages. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11601 LNCS, p. 158-170., Registrované v: SCOPUS

AEC03 CZABARKA, E. - SÝKORA, O. - SZÉKELY, L.A. - VRŤO, Imrich. Biplanar crossing numbers I: A survey of results and problems. In More Sets, Graphs and Numbers (A Salute to Vera Sós and András Hajnal), Bolyai Society Mathematical Studies, Vol. 15. - Budapest : Akadémia Kiadó, 2006, s. 55-77. ISBN 978-3-540-32377-8.

Citácie:
1. [1.1] ASPLUND, John - DO, Thao - HAMM, Arran - JAIN, Vishesh. On the k-planar local crossing number. In DISCRETE MATHEMATICS. ISSN 0012-365X, 2019, vol. 342, no. 4, p. 927-933., Registrované v: WOS
2. [1.2] AICHHOLZER, Oswin - FABILA-MONROY, Ruy - FUCHS, Adrian - HIDALGO-TOSCANO, Carlos - PARADA, Irene - VOGTENHUBER, Birgit - ZARAGOZA, Francisco. On the 2-Colored Crossing Number. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11904 LNCS, p. 87-100., Registrované v: SCOPUS

AEC04 CZYZOWICZ, J. - DOBREV, Stefan - KRANAKIS, E. - PACHECO, E. Survivability of Swarms of Bouncing Robots. In LATIN 2014: Theoretical Informatics: 11th Latin American Symposium, Montevideo, Uruguay, March 31 - April 4, 2014, Proceedings. Lecture Notes in Computer Science, 8392. Theoretical Computer Science and General Issues. - Berlin : Springer, 2014, p. 622-633. ISBN 978-3-642-54422-4.

Citácie:
1. [1.1] GASIENIEC, Leszek - JURDZINSKI, Tomasz - MARTIN, Russell - STACHOWIAK, Grzegorz. Communication and location discovery in geometric ring networks. In INFORMATION AND COMPUTATION. ISSN 0890-5401, 2019, vol. 266, p. 19-48., Registrované v: WOS

AEC05 CZYZOWICZ, J. - DOBREV, Stefan - KRALOVIC, R. - MIKLIK, S. - PARDUBSKA, D. Black Hole Search in Directed Graphs. In Lecture Notes in Computer Science 5869. - Berlin : Springer, 2010, s. 182-194.

Citácie:
1. [1.2] MARKOU, Euripides - SHI, Wei. Dangerous graphs. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11340 LNCS, pp. 455-515., Registrované v: SCOPUS

AEC06 ČEVOROVÁ, Kristína - JIRÁSKOVÁ, Galina - KRAJŇÁKOVÁ, I. On the Square of Regular Languages. In Implementation and Application of Automata - 19th International Conference: CIAA 2014, Giessen, Germany, July 30 - August 2, 2014, Proceedings. Lecture Notes in Computer Science, vol. 8587. Theoretical Computer Science and general Issues. - Cham : Springer International Publishing, 2014, p. 136-147. ISBN 978-3-319-08845-7.

Citácie:

1. [1.2] HOLZER, Markus - HOSPODÁR, Michal. The Range of State Complexities of Languages Resulting from the Cut Operation. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11417 LNCS, p. 190-202., Registrované v: SCOPUS

AEC07 ČEVOROVÁ, Kristína - JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter - PALMOVSKÝ, M. - ŠEBEJ, J. Operations on Automata with All States Final. In Proceedings 14th International Conference on Automata and Formal Languages (AFL 2014): Szeged, Hungary, May 27-29, 2014. EPTCS, vol. 151. - Szeged, Hungary : http://dx.doi.org/10.4204/EPTCS.151, 2014, p. 201-215. ISSN 2075-2180.

Citácie:

1. [1.2] HOSPODÁR, Michal. Descriptional Complexity of Power and Positive Closure on Convex Languages. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11601 LNCS, p. 158-170., Registrované v: SCOPUS

AEC08 DOBREV, Stefan - FLOCCHINI, P. - SANTORO, N. Cycling through a dangerous network: A simple efficient strategy for black hole search. In ICDCS 2006, IEEE, 2006. - Lisboa, Portugal, 2006, s. 57-66.

Citácie:

1. [1.2] MARKOU, Euripides - SHI, Wei. Dangerous graphs. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11340 LNCS, pp. 455-515., Registrované v: SCOPUS

AEC09 DOBREV, Stefan - FLOCCHINI, P. - PRENCIPE, G. - SANTORO, N. Mobile search for a black hole in an anonymous ring. In Lecture Notes in Computer Science 2180. - Berlin : Springer, 2001, s. 166-179. ISBN 3-540-42605-1.

Citácie:

1. [1.2] DAYMUDE, Joshua J. - HINNENTHAL, Kristian - RICHA, Andréa W. - SCHEIDELER, Christian. Computing by programmable particles. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11340 LNCS, pp. 615-681., Registrované v: SCOPUS

2. [1.2] MARKOU, Euripides - SHI, Wei. Dangerous graphs. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11340 LNCS, pp. 455-515., Registrované v: SCOPUS

AEC10 DOBREV, Stefan - KRÁLOVIČ, R. - PARDUBSKÁ, D. How much information about the future is needed? In SOFSEM 2008: Theory and Practice of Computer Science, Vol. 4910. - Heidelberg : Springer, 2008. ISBN 978-3-540-77565-2.

Citácie:
1. [1.1] BURJONS, Elisabet - KOMM, Dennis - SCHONGENS, Marcel. The k-Server Problem with Advice in d Dimensions and on the Sphere. In ALGORITHMICA. ISSN 0178-4617, 2019, vol. 81, no. 5, pp. 1859-1880., Registrované v: WOS

AEC11 DOBREV, Stefan - KRANAKIS, Evangelos - KRIZANC, Danny - PONCE, Oscar Morales - STACHO, Ladislav. Approximating the Edge Length of 2-Edge Connected Planar Geometric Graphs on a Set of Points. In LATIN 2012: Theoretical Informatics: 10th Latin American Symposium, Arequipa, Peru, April 16-20, 2012. Proceedings. Lecture Notes in Computer Science, Vol. 7256. - Berlin : Springer, 2012, p. 255-266. ISBN 978-3-642-29343-6. ISSN 0302-9743.

Citácie:
1. [1.1] AKITAYA, Hugo A. - INKULU, Rajasekhar - NICHOLS, Torrie L. - SOUVAINE, Diane L. - TOTH, Csaba D. - WINSTON, Charles R. Minimum weight connectivity augmentation for planar straight-line graphs. In THEORETICAL COMPUTER SCIENCE. ISSN 0304-3975, 2019, vol. 789, p. 50-63., Registrované v: WOS

AEC12 DOBREV, Stefan - KRÁLOVIČ, Rastislav - MARKOU, Euripides. Online graph exploration with advice. In Structural Information and Communication Complexity: 19th International Colloquium, SIROCCO 2012, Reykjavik, Iceland, June 30 - July 2, 2012, Revised Selected Papers. Lecture Notes in Computer Science, Vol. 7355. - Berlin : Springer, 2012, p. 267-278. ISBN 978-3-642-31103-1. ISSN 0302-9743.

Citácie:
1. [1.2] DHAR, Amit Kumar - GORAIN, Barun - MONDAL, Kaushik - PATRA, Shaswati - SINGH, Rishi Ranjan. Edge Exploration of a Graph by Mobile Agent. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11949 LNCS, p. 142-154., Registrované v: SCOPUS

AEC13 DOBREV, Stefan - SANTORO, N. - SHI, W. Scattered black hole search in an oriented ring using tokens. In IPDPS 2007, IEEE, 2007. - California USA, 2007, s. 1-8.

Citácie:
1. [1.2] MARKOU, Euripides - SHI, Wei. Dangerous graphs. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11340 LNCS, p. 455-515., Registrované v: SCOPUS

AEC14 HRICKO, M. - JIRÁSKOVÁ, Galina - SZABARI, A. Union and intersection of regular languages and descriptional complexity. In Proc. 7th Workshop Descriptional Complexity of Formal Systems. - Milano : University of Milano, 2005, s. 170-181.

Citácie:
1. [1.1] DASSOW, Juergen. Operational Accepting State Complexity: The Unary and Finite Case. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 959-978., Registrované v: WOS
2. [1.2] HOLZER, Markus - HOSPODÁR, Michal. The Range of State Complexities of Languages Resulting from the Cut Operation. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11417 LNCS, p. 190-202., Registrované v: SCOPUS

AEC15 JIRÁSEK, Jozef - JIRÁSKOVÁ, Galina. Cyclic Shift on Prefix-Free Languages. In Lecture Notes in Computer Science, 2013, vol. 7913, s. 246-257. (2012: 0.323 - SJR). ISSN 0302-9743.

Citácie:

1. [1.1] JIRASEK, Jr. Jozef - PALMOVSKY, Matus - SEBEJ, Juraj. Kuratowski Algebras Generated by Prefix-, Suffix-, Factor-, and Subword-Free Languages Under Star and Complementation. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 1091-1115., Registrované v: WOS

2. [1.2] GABRIC, Daniel - HOLUB, Štěpán - SHALLIT, Jeffrey. Generalized de Bruijn Words and the State Complexity of Conjugate Sets. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11612 LNCS, p. 137-146., Registrované v: SCOPUS

AEC16 JIRÁSKOVÁ, Galina - MASOPUST, T. On the state and computational complexity of the reverse of acyclic minimal DFAs. In Implementation and Application of Automata: 17th International Conference, CIAA 2012, Porto, Portugal, July 17-20, 2012, Proceedings. Lecture Notes in Computer Science, vol. 7381. - Heidelberg : Springer, 2012, p. 229-239. ISBN 978-3-642-31606-7.

Citácie:

1. [1.2] RYZHIKOV, Andrew. Synchronization problems in automata without non-trivial cycles. In Theoretical Computer Science. ISSN 03043975, 2019-10-01, 787, pp. 77-88., Registrované v: SCOPUS

AEC17 JIRÁSKOVÁ, Galina. On the state complexity of complements, stars, and reversals of regular languages. In Lecture Notes in Computer Science, Vol. 5257. - Heidelberg : Springer, 2008, s. 431-442. ISBN 978-3-540-85779-2. ISSN 0302-9743.

Citácie:

1. [1.2] FERENS, Robert - SZYKUŁA, Marek. Complexity of bifix-free regular languages. In Theoretical Computer Science. ISSN 03043975, 2019-10-01, 787, pp. 14-27., Registrované v: SCOPUS

AEC18 JIRÁSKOVÁ, Galina - MASOPUST, T. On properties and state complexity of deterministic state-partition automata. In Theoretical Computer Science: 7th IFIP TC 1/WG 2.2 International Conference, TCS 2012, Amsterdam, The Netherlands, September 26-28, 2012, Proceedings. Lecture Notes in Computer Science, vol. 7604. - Heidelberg : Springer, 2012, p. 164-178. ISBN 978-3-642-33474-0.

Citácie:

1. [1.1] WANG, Weilin - SU, Rong - LIN, Liyong - GONG, Chaohui. Model Checking in Isomorphic Module Systems. In IEEE TRANSACTIONS ON AUTOMATIC CONTROL. ISSN 0018-9286, 2019, vol. 64, no. 2, p. 728-735., Registrované v: WOS

AEC19 JIRÁSKOVÁ, Galina - MLYNÁRČIK, Peter. Complement on Prefix-Free, Suffix-Free, and Non-Returning NFA Languages. In Proc. Descriptional Complexity of Formal Systems - 16th International Workshop (DCFS 2014), Lecture Notes in Computer Science, vol. 8614. - Turku, Finland : Springer, 2014, s. 222-233.

Citácie:
1. [1.2] HOSPODÁR, Michal. Descriptional Complexity of Power and Positive Closure on Convex Languages. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11601 LNCS, p. 158-170., Registrované v: SCOPUS

AEC20 JIRÁSKOVÁ, Galina - PALMOVSKÝ, Matúš - ŠEBEJ, J. Kleene Closure on Regular and Prefix-Free Languages. In Proc. Implementation and Application of Automata - 19th International Conference (CIAA 2014), Lecture Notes in Computer Science, vol. 8587. - Giessen, Germany : Springer, 2014, s. 226-237.

Citácie:
1. [1.2] FERENS, Robert - SZYKUŁA, Marek. Complexity of bifix-free regular languages. In Theoretical Computer Science. ISSN 03043975, 2019-10-01, 787, pp. 14-27., Registrované v: SCOPUS
2. [1.2] HOLZER, Markus - HOSPODÁR, Michal. The Range of State Complexities of Languages Resulting from the Cut Operation. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11417 LNCS, p. 190-202., Registrované v: SCOPUS
3. [1.2] HOSPODÁR, Michal. Descriptional Complexity of Power and Positive Closure on Convex Languages. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11601 LNCS, p. 158-170., Registrované v: SCOPUS

AEC21 JIRÁSKOVÁ, Galina - SHALLIT, J. The state complexity of star-complement-star. In Developments in Language Theory: 16th International Conference, DLT 2012, Taipei, Taiwan, August 14-17, 2012, Proceedings. Lecture Notes in Computer Science, vol. 7410. - Heidelberg : Springer, 2012, p. 380-391. ISBN 978-3-642-31652-4.

Citácie:
1. [1.1] JIRASEK, Jr. Jozef - PALMOVSKY, Matus - SEBEJ, Juraj. Kuratowski Algebras Generated by Prefix-, Suffix-, Factor-, and Subword-Free Languages Under Star and Complementation. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 1091-1115., Registrované v: WOS

AEC22 JIRÁSKOVÁ, Galina - MASOPUST, T. On state complexity of projected regular languages. In Proc. Descriptional Complexity of Formal Systems, LNCS, vol. 6808. - Vicinity of Vicinity Giessen, Germany, 2011, s. 198-211.

Citácie:
1. [1.1] HOFFMANN, Stefan. Commutative Regular Languages Properties and State Complexity. In ALGEBRAIC INFORMATICS, CAI 2019. ISSN 0302-9743, 2019, vol. 11545, no., p. 151-163., Registrované v: WOS

AEC23 MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Generators of triangular norms. In Logical, Algebraic, Analytic, and Probabilistic Aspects of Triangular Norms. - 2005, s. 95-111.

Citácie:
1. [1.1] LIMA, Lucelia - ROCHA, Marcus - LIMA, Annaxsuel De - BEDREGAL, Benjamin - BUSTINCE, Humberto. On pseudo-homogeneity of t-subnorms. In IEEE International Conference on Fuzzy Systems. ISSN 10987584, 2019-06-01, 2019-June, Art. No. 8858887., Registrované v: SCOPUS

AEC24 MESIAR, R. - MESIAROVÁ-ZEMÁNKOVÁ, Andrea. Fuzzy integrals. In Modeling Decisions for Artificial Intelligence, Vol. LNAI 3131. - Berlin : Springer, 2004, s. 7-14.

Citácie:

1. [1.1] NAGARAJAN, Rajganesh - THIRUNAVUKARASU, Ramkumar. A fuzzy-based decision-making broker for effective identification and selection of cloud infrastructure services. In SOFT COMPUTING. ISSN 1432-7643, 2019, vol. 23, no. 19, p. 9669-9683., Registrované v: WOS

AEC25 NEWTON, M. - SÝKORA, O. - UŽOVIČ, M. - VRŤO, Imrich. New exact results and bounds for bipartite crossing numbers of meshes. In Graph Drawing, Lecture Notes in Computer Science, Vol. 3383. - Springer, 2005, s. 360-370. ISBN 3-540-24528-6.

Citácie:

1. [1.1] PALUBECKIS, Gintaras - TOMKEVICIUS, Arunas - OSTREIKA, Armantas. Hybridizing simulated annealing with variable neighborhood search for bipartite graph crossing minimization. In APPLIED MATHEMATICS AND COMPUTATION. ISSN 0096-3003, 2019, vol. 348, p. 84-101., Registrované v: WOS

AEC26 REPICKÝ, Miroslav. Cardinal invariants related to porous sets. In Israel Mathematical Conference Proceedings 6. - 1993, s. 433-438.

Citácie:

1. [1.1] BRENDLE, Jorg - GARCIA AVILA, Luz Maria. Evasion and prediction V: Unsymmetric game ideals, constant prediction, and strong porosity ideals. In EUROPEAN JOURNAL OF MATHEMATICS. ISSN 2199-675X, 2019, vol. 5, no. 2, p. 269-286., Registrované v: WOS

AEC27 RIEČAN, Beloslav. M-probability theory on IF-events. In New Dimensions in Fuzzy Related Technologies, vol. I. - Ostrava : Univ. of Ostrava, 2007, s. 227-230.

Citácie:

1. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. Strong Laws of Large Numbers for IVM-Events. In IEEE TRANSACTIONS ON FUZZY SYSTEMS. ISSN 1063-6706, 2019, vol. 27, no. 12, pp. 2293-2301., Registrované v: WOS

AEC28 RIEČAN, Beloslav. A descriptive definition of the probability on intuitionistic fuzzy sets. In Proceedings of the 3rd Conference of the European Society for Fuzzy Logic and Technology. - Zittau, Germany : University of Applied Sciences at Zittau/Görlitz, 2003, s. 210-213. ISBN 3-9808089-4-7.

Citácie:

1. [1.1] LU, Juan - LI, De-Yu - ZHAI, Yan-Hui - BAI, He-Xiang. Belief and plausibility functions of type-2 fuzzy rough sets. In INTERNATIONAL JOURNAL OF APPROXIMATE REASONING. ISSN 0888-613X, 2019, vol. 105, no., pp. 194-216., Registrované v: WOS

2. [1.1] MUTHURAJI, T. Some Properties of Operations Conjunction, Disjunction and Implication from Lukasiewicz';s Type Over Intuitionistic Fuzzy Matrices. In RECENT TRENDS IN PURE AND APPLIED MATHEMATICS. ISSN 0094-243X, 2019, vol. 2177., Registrované v: WOS

AEC29 RIEČAN, Beloslav. Probability theory on IF events. In Lecture Notes in Computer Science: Algebraic and Proof-theoretic Aspects of Non-classical Logics, Papers in Honor of Daniele Mundici on the Occasion of His 60th birthday, vol. 4460. - Berlin : Springer, 2007, s. 290-308. ISBN 978-3-540-75938.

Citácie:
1. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. On MV-Algebraic Versions of the Strong Law of Large Numbers. In ENTROPY, 2019, vol. 21, no. 7., Registrované v: WOS
2. [1.1] NOWAK, Piotr - HRYNIEWICZ, Olgierd. Strong Laws of Large Numbers for IVM-Events. In IEEE TRANSACTIONS ON FUZZY SYSTEMS. ISSN 1063-6706, 2019, vol. 27, no. 12, pp. 2293-2301., Registrované v: WOS

AECA Vedecké práce v zahraničných recenzovaných zborníkoch a kratšie kapitoly/state v zahraničných vedeckých monografiách alebo VŠ učebniciach

AECA01 JIRÁSEK, Jozef - JIRÁSKOVÁ, Galina. The boundary of prefix-free languages. In Developments in Language Theory : LNCS 9168, proceedings. - Springer, 2015, p. 300-312. ISBN 978-3-319-21499-3. (DLT 2015)
Citácie:
1. [1.1] JIRASEK, Jr. Jozef - PALMOVSKY, Matus - SEBEJ, Juraj. Kuratowski Algebras Generated by Prefix-, Suffix-, Factor-, and Subword-Free Languages Under Star and Complementation. In INTERNATIONAL JOURNAL OF FOUNDATIONS OF COMPUTER SCIENCE. ISSN 0129-0541, 2019, vol. 30, no. 6-7, p. 1091-1115., Registrované v: WOS

***AEE Vedecké práce v zahraničných nerecenzovaných vedeckých zborníkoch, monografiách**

AEE01 JIRÁSKOVÁ, Galina. Deterministic blow-ups of minimal NFA´s. In RAIRO-THEORETICAL INFORMATICS AND APPLICATIONS, 2006, vol. 40, no. 3, s. 485-499.
Citácie:
1. [1.2] HOLZER, Markus - HOSPODÁR, Michal. The Range of State Complexities of Languages Resulting from the Cut Operation. In Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics). ISSN 03029743, 2019-01-01, 11417 LNCS, p. 190-202., Registrované v: SCOPUS

***AEF Vedecké práce v domácich nerecenzovaných vedeckých zborníkoch, monografiách**

AEF01 RIEČAN, Beloslav. On the probability on BL algebras. In Acta Mathematica 4. - Nitra : Univerzita Konštantína Filozofa, 2000, s. 3-13. ISBN 80–8050-350–8.
Citácie:
1. [1.1] DEHGHANI, Zahra - FOROUZESH, Fereshteh. State filters in state residuated lattices. In CATEGORIES AND GENERAL ALGEBRAIC STRUCTURES WITH APPLICATIONS. ISSN 2345-5853, 2019, vol. 10, no. 1, pp. 17-37., Registrované v: WOS
2. [1.1] RASOULI, Saeed - ZARIN, Zeinab. On residuated lattices with left and right internal state. In FUZZY SETS AND SYSTEMS. ISSN 0165-0114, 2019, vol. 373, no., pp. 37-61., Registrované v: WOS
3. [1.1] XIN, X. L. - KHAN, M. - JUN, Y. B. Generalized states on EQ-algebras. In IRANIAN JOURNAL OF FUZZY SYSTEMS. ISSN 1735-0654, 2019, vol. 16, no. 1, pp. 159-172., Registrované v: WOS

AFC Publikované príspevky na zahraničných vedeckých konferenciách

AFC01 RIEČAN, Beloslav. On the probability and random variables on if events. In Proceedings of the 7th international flins conference. - Genova, 2006, 2006, p. 138-145. Dostupné na: https://doi.org/10.1142/9789812774118_0023

Citácie:

1. [1.1] CUNDERLIKOVA, Katarina. Two theorems from extreme value theory for interval valued events. In PROCEEDINGS OF THE 11TH CONFERENCE OF THE EUROPEAN SOCIETY FOR FUZZY LOGIC AND TECHNOLOGY (EUSFLAT 2019), 2019, vol. 1, no., pp. 660-667., Registrované v: WOS

AFD Publikované príspevky na domácich vedeckých konferenciách

AFD01 WITKOVSKÝ, Viktor - WIMMER, Gejza - ĎURIŠOVÁ, Z. - ĎURIŠ, S. - PALENČÁR, R. Brief overview of methods for measurement uncertainty analysis: GUM uncertainty framework, Monte Carlo method, characteristic function approach. In MEASUREMENT 2017 : Proceedings of the 11th International Conference on Measurement. Editors: J. Maňka, M. Tyšler, V. Witkovský, I. Frollo. - Bratislava, Slovakia : Institute of Measurement Science, Slovak Academy of Sciences, 2017, p. 35-38. ISBN 978-80-972629-0-7. Dostupné na: https://doi.org/10.23919/MEASUREMENT.2017.7983530

Citácie:

1. [1.2] SHARIFIAN, Seyedmehdi - SOTUDEH-GHAREBAGH, Rahmat - ZARGHAMI, Reza - TANGUY, Philippe - MOSTOUFI, Navid. Uncertainty in chemical process systems engineering: A critical review. In REVIEWS IN CHEMICAL ENGINEERING. ISSN 0167-8299, 2019., Registrované v: SCOPUS

2. [3.1] ESPINEL-ORTEGA, Alvaro – VEGA, Adriana. Determination of Uncertainty in Measuring Instruments in Electrical Engineering Programs. In TECNOLÓGICAS. ISSN 0123-7799, 2019, vol. 22, no. 46.

AGI Správy o vyriešených vedeckovýskumných úlohách

AGI01 DVUREČENSKIJ, Anatolij - KULJUKINA, L. A. - OSOSKOV, G. A. Ob ocenke plotnosti sledov v trekovych kamerach. In OIJaI, 1981, č. 5-81-362, s. 1-14.

Citácie:

1. [1.1] LEBEDEV, E. O. - LIVINSKA, G. V. ON ASYMPTOTIC MERGING OF NODES'; SET IN STOCHASTIC NETWORKS. In THEORY OF PROBABILITY AND MATHEMATICAL STATISTICS. ISSN 0094-9000, 2019, vol. 101, no., pp. 147-156., Registrované v: WOS

Príloha D

Údaje o pedagogickej činnosti organizácie

Semestrálne prednášky:

prof. RNDr. Michal Fečkan, DrSc.
Názov semestr. predmetu: Funkcionálna analýza 1
Počet hodín za semester: 2
Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, Katedra matematickej analýzy a numerickej matematiky

prof. RNDr. Michal Fečkan, DrSc.
Názov semestr. predmetu: Nelineárna funkcionálna analýza
Počet hodín za semester: 2
Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, Katedra matematickej analýzy a numerickej matematiky

RNDr. Martin Kochol, PhD., DSc.
Názov semestr. predmetu: Analýza a zložitosť algoritmov
Počet hodín za semester: 3
Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, FIIT, ÚPAI

prof. RNDr. Július Korbaš, CSc.
Názov semestr. predmetu: Diferenciálna topológia
Počet hodín za semester: 30
Názov katedry a vysokej školy: Univerzita Komenského v Bratislave, Katedra algebry a geometrie FMFI UK

doc. Mgr. Tibor Macko, PhD.
Názov semestr. predmetu: Algebraická topológia
Počet hodín za semester: 48
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KAG

doc. Mgr. Tibor Macko, PhD.
Názov semestr. predmetu: Lineárna algebra a geometria 1
Počet hodín za semester: 48
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KAG

doc. Mgr. Tibor Macko, PhD.
Názov semestr. predmetu: Lineárna algebra a geometria 2
Počet hodín za semester: 48
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KAG

doc. Mgr. Tibor Macko, PhD.
Názov semestr. predmetu: Teória kategórií 1
Počet hodín za semester: 24
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KAG

doc. RNDr. Karol Nemoga, CSc.
Názov semestr. predmetu: Logika
Počet hodín za semester: 26
Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, Ústav aplikovanej informatiky a matematiky

doc. RNDr. Karol Nemoga, CSc.
Názov semestr. predmetu: Rýchle algoritmy
Počet hodín za semester: 26
Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, Ústav aplikovanej informatiky a matematiky

Mgr. Branislav Novotný, PhD.
Názov semestr. predmetu: Štatistika 1
Počet hodín za semester: 8
Názov katedry a vysokej školy: Katolícka univerzita v Ružomberku, Katedra Manažmentu

Mgr. Branislav Novotný, PhD.
Názov semestr. predmetu: Štatistika 1
Počet hodín za semester: 26
Názov katedry a vysokej školy: Katolícka univerzita v Ružomberku, Katedra Manažmentu

Mgr. Branislav Novotný, PhD.
Názov semestr. predmetu: Štatistika 2
Počet hodín za semester: 26
Názov katedry a vysokej školy: Katolícka univerzita v Ružomberku, Katedra Manažmentu

Mgr. Branislav Novotný, PhD.
Názov semestr. predmetu: Štatistika 2
Počet hodín za semester: 8
Názov katedry a vysokej školy: Katolícka univerzita v Ružomberku, Katedra Manažmentu

doc. Ing. Gabriel Okša, CSc.
Názov semestr. predmetu: Numerical Methods of Linear Algebra
Počet hodín za semester: 26
Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, Stavebná fakulta

RNDr. Jozef Pócs, PhD.
Názov semestr. predmetu: Grafy a sítě I, Teorie grafů
Počet hodín za semester: 39
Názov katedry a vysokej školy: Přírodovědecká fakulta Univerzity Palackého, Olomouc, Česká republika , Katedra algebry a geometrie

RNDr. Jozef Pócs, PhD.
Názov semestr. predmetu: Logika a teorie množin
Počet hodín za semester: 39
Názov katedry a vysokej školy: Přírodovědecká fakulta Univerzity Palackého, Olomouc, Česká republika , Katedra algebry a geometrie

RNDr. Michal Pospíšil, PhD.
Názov semestr. predmetu: Matematická analýza (4)
Počet hodín za semester: 52
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KMANM

RNDr. Michal Pospíšil, PhD.
Názov semestr. predmetu: Matematika pre chémiu
Počet hodín za semester: 65
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KMANM

prof. RNDr. Marian Vajteršic, DrSc.
Názov semestr. predmetu: Digitale Rechenanlagen
Počet hodín za semester: 30
Názov katedry a vysokej školy: Universitaet Salzburg, Austria, Fachbereich Computerwissenschaften

prof. RNDr. Marian Vajteršic, DrSc.
Názov semestr. predmetu: Lineare Algebra
Počet hodín za semester: 45
Názov katedry a vysokej školy: Universitaet Salzburg, Austria, Fachbereich Computerwissenschaften

prof. RNDr. Marian Vajteršic, DrSc.
Názov semestr. predmetu: Rechnerarchitektur
Počet hodín za semester: 30
Názov katedry a vysokej školy: Universitaet Salzburg, Austria, Fachbereich Computerwissenschaften

Semestrálne cvičenia:

Mgr. Martin Bečka, PhD.
Názov semestr. predmetu: Analýza a zložitosť algoritmov
Počet hodín za semester: 192
Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, FIIT

Mgr. Martin Bečka, PhD.
Názov semestr. predmetu: Pravdepodobnosť a štatistika
Počet hodín za semester: 168
Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, FIIT

doc. Mgr. Tibor Macko, PhD.
Názov semestr. predmetu: Lineárna algebra a geometria 1
Počet hodín za semester: 24
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KAG

doc. Mgr. Tibor Macko, PhD.
Názov semestr. predmetu: Lineárna algebra a geometria 2
Počet hodín za semester: 24
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KAG

doc. RNDr. Karol Nemoga, CSc.
Názov semestr. predmetu: Logika
Počet hodín za semester: 26
Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, Ústav aplikovanej informatiky a matematiky

doc. RNDr. Karol Nemoga, CSc.
Názov semestr. predmetu: Rýchle algoritmy
Počet hodín za semester: 26
Názov katedry a vysokej školy: Slovenská technická univerzita v Bratislave, Ústav aplikovanej informatiky a matematiky

Mgr. Branislav Novotný, PhD.
Názov semestr. predmetu: Štatistika 1
Počet hodín za semester: 6
Názov katedry a vysokej školy: Katolícka univerzita v Ružomberku, Katedra Manažmentu

Mgr. Branislav Novotný, PhD.
Názov semestr. predmetu: Štatistika 2
Počet hodín za semester: 6
Názov katedry a vysokej školy: Katolícka univerzita v Ružomberku, Katedra Manažmentu

RNDr. Michal Pospíšil, PhD.
Názov semestr. predmetu: Matematická analýza (4)
Počet hodín za semester: 26
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KMANM

RNDr. Michal Pospíšil, PhD.
Názov semestr. predmetu: Matematika (3)
Počet hodín za semester: 39
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KMANM

RNDr. Michal Pospíšil, PhD.
Názov semestr. predmetu: Matematika (4)
Počet hodín za semester: 26
Názov katedry a vysokej školy: Fakulta matematiky, fyziky a informatiky UK, KMANM

Ing. Peter Sýs
Názov semestr. predmetu: Operačné systémy
Počet hodín za semester: 48
Názov katedry a vysokej školy: Fakulta informatiky a informačných technológií STU, Ústav počítačového inžinierstva a aplikovanej informatiky

prof. RNDr. Marian Vajteršic, DrSc.
Názov semestr. predmetu: Digitale Rechenanlagen
Počet hodín za semester: 30
Názov katedry a vysokej školy: Universitaet Salzburg, Austria, Fachbereich Computerwissenschaften

Semináre:

Terénne cvičenia:

Individuálne prednášky:

Príloha E

Medzinárodná mobilita organizácie

(A) Vyslanie vedeckých pracovníkov do zahraničia na základe dohôd:

Krajina	**D r u h d o h o d y**					
	MAD, KD, VTS		**Medziústavná**		**Ostatné**	
	Meno pracovníka	**Počet dní**	**Meno pracovníka**	**Počet dní**	**Meno pracovníka**	**Počet dní**
Česko					Ján Mačutek	8
Francúzsko					Ján Mačutek	6
Grécko					Ján Mačutek	4
Nový Zéland					Roman Nedela	11
Španielsko					Pavol Bokes	6
					Branislav Novotný	6
Počet vyslaní spolu					**6**	**41**

(B) Prijatie vedeckých pracovníkov zo zahraničia na základe dohôd:

Krajina	**D r u h d o h o d y**					
	MAD, KD, VTS		**Medziústavná**		**Ostatné**	
	Meno pracovníka	**Počet dní**	**Meno pracovníka**	**Počet dní**	**Meno pracovníka**	**Počet dní**
Ukrajina					Doc. Svitlana Leshchuk, PhD.	3
Počet prijatí spolu					**1**	**3**

(C) Účasť pracovníkov pracoviska na konferenciách v zahraničí (nezahrnutých v "A"):

Krajina	**Názov konferencie**	**Meno pracovníka**	**Počet dní**
Austrália (online)	20th AQIS	Anna Jenčová	3
Česko	40thWSGP	Tibor Macko	7
	SWSL2020	Ján Mačutek	5
Francúzsko (online)	QPL2020	Martin Plávala	5
Japonsko (online)	QICF20	Martin Plávala	5
Kanada (online)	WCPS2020	Martin Plávala	4
Nový Zéland	SODO 2020	Roman Nedela	5
Poľsko (online)	IWIFSGN´2020	Katarína Čunderlíková	2
		Alžbeta Michalíková	2
Rakúsko (online)	Q-Turn2020	Martin Plávala	5
Ukrajina (online)	DidaUA2020	Natália Dilna	2
USA (online)	ACT2020	Martin Plávala	6
Veľká Británia (online)	BQIT:20	Martin Plávala	4
Spolu	**12**	**13**	**55**

Vysvetlivky: MAD - medziakademické dohody, KD - kultúrne dohody, VTS - vedecko-technická spolupráca v rámci vládnych dohôd

Skratky použité v tabuľke C:

20th AQIS - 20th Asian Quantum Information Science Conference
40thWSGP - The 40th Winter school in geometry and physics
ACT2020 - Applied Category Theory 2020
BQIT:20 - Virtual Bristol Quantum Information Technologies Workshop
DidaUA2020 - International on-line Conference. Modern information technology and innovation methods in teaching: experience, trends and prospects
IWIFSGN´2020 - The 19th International Workshop on Intuitionistic Fuzzy Sets and Generalized Nets
Q-Turn2020 - Q-Turn2020
QICF20 - Workshop on Quantum Information, Computation, and Foundation
QPL2020 - 17th International Conference on Quantum Physics and Logic
SODO 2020 - Symmetries of Discrete Objects
SWSL2020 - Summer Workshop - Statistics in Linguistic 2020
WCPS2020 - Workshop Categorical Probability and Statistics

Príloha F

Vedecko-popularizačná činnosť pracovníkov organizácie SAV

Meno	Spoluautori	Typ[1]	Názov	Miesto zverejnenia	Dátum alebo počet za rok
Mgr. Peter Mlynárčik, PhD.		PB	Matematický Aletrnatívny Krúžok	MÚ SAV, Košice	24.2.2020
RNDr. Emília Halušková, CSc.		iné	matematický krúžok	MÚ SAV, Košice	9

[1] *PB - prednáška/beseda, TL - tlač, TV - televízia, RO - rozhlas, IN - internet, EX - exkurzia, PU - publikácia, MM - multimédiá, DO - dokumentárny film*