

Accessibility and presentability in 2-categories

Di Liberti, Ivan; **Loregian, Fosco** Journal of pure and applied algebra 2023 / art. 107155, 25 p

<https://doi.org/10.1016/j.jpaa.2022.107155> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

AGMF'2007 Göteborgis

Paal, Eugen Aastaraamat 2007 / Eesti Matemaatika Selts 2012 / lk. 178

Aichinger, Florian. On the convergence rate of the fraction of simple algebras : [review]

Henno, Jaak Zentralblatt MATH 2020 / 1 p <https://www.zmath.org/?q=an:1459.08001> <https://doi.org/10.1007/s00012-020-00684-4>

Algebra Geometry Mathematical Physics VIII

2013

Algebra ja geomeetria näidisülesandeid inseneridele : õppevahend

Kivinukk, Andi 1992 https://www.ester.ee/record=b1063627*est

Algebra ja trigonomeetria õpik : gümnaasiumi IV klassile

Ratassepp, Kalev 1942 https://www.ester.ee/record=b1288582*est

Algebra of differential forms with exterior differential $d_3 = 0$ in dimensions one and two

Bazunova, Nadežda Rocky Mountain journal of mathematics 2002 / p. 483-497 <https://www.jstor.org/stable/44238643>

Algebra, geomeetria ja matemaatiline füüsika. 5. rahvusvaheline konverents, Bedlewo, Poola, 12.-16. oktoober 2009

Paal, Eugen Aastaraamat 2009 / Eesti Matemaatika Selts 2010 / lk. 272-273

Algebra, geomeetria ja matemaatilise füüsika konverents Tallinnas : [10.-13. juulil 2014 Tallinna Tehnikaülikoolis]

Kuusk, Piret Aastaraamat 2012 / Eesti Matemaatika Selts 2014 / lk. 143-146

Algebra, geomeetria ja matemaatilise füüsika rahvusvaheline seminar AGMF'05 Tallinnas

Paal, Eugen; Puusepp, Peeter Aastaraamat 2005 / Eesti Matemaatika Selts 2006 / lk. 241-242

Algebra, geometry and mathematical physics

2011 https://www.ester.ee/record=b5749782*est

Algebra, geometry and mathematical physics : AGMP, Mulhouse, France, October 2011

2014 https://www.ester.ee/record=b4425009*est

Algebraic and coalgebraic perspectives on interaction laws

Uustalu, Tarmo; Voorneveld, Niels Programming Languages and Systems : 18th Asian Symposium, APLAS 2020, Fukuoka, Japan, November 30 – December 2, 2020 : proceedings 2020 / p. 186-205 https://doi.org/10.1007/978-3-030-64437-6_10 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Algebraic approach for analysis and control of a water tank system

Belikov, Juri; Kotta, Ülle; Tepljakov, Aleksei Information technology and control 2016 / p. 175-183 : ill

<https://doi.org/10.5755/j01.itc.45.2.13212> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Algebraic formalism of differential one-forms for nonlinear control systems on time scales

Bartosiewicz, Zbigniew; Kotta, Ülle; Pawluszewicz, Ewa; Wyrwas, Małgorzata Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2007 / 3, p. 264-282

Algebraic foundations of belief systems

Henno, Jaak Data processing, compiler writing, problems of programming 1989 / p. 33-43

Algebraic Methodology and Software Technology : 11th International Conference, AMAST 2006 : Kuressaare, Estonia, July 2006 : proceedings

Johnson, Michael; Vene, Varmo 2006 https://www.ester.ee/record=b2160509*est

Algebraic necessary and sufficient condition for difference flatness

Kaldmäe, Arvo International Journal of Control 2021 / 8 p <https://doi.org/10.1080/00207179.2021.1908598> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Algebralised teisendused

Kõiv, Helgi Matemaatika ülesanded kõrgkoolidesse astujaile 1985 / lk. 11-22 https://www.ester.ee/record=b1248239*est

Algebraliste süsteemide endomorfismide uurimisest Tartu Ülikooli kasvandike poolt

Puusemp, Peeter 350 aastat matemaatikat Tartu Ülikoolis = 350 лет математики в Тартуском университете : ettekannete teesid 1982 / lk. 73-76 https://www.ester.ee/record=b1255795*est

Algebras, groups and geometries. v. 12, n. 2

1995 https://www.ester.ee/record=b3376117*est

Automata and coalgebras in categories of Species

Loregian, Fosco Coalgebraic Methods in Computer Science : 17th IFIP WG 1.3 International Workshop, CMCS 2024, Colocated with ETAPS 2024, Luxembourg City, Luxembourg, April 6–7, 2024, Proceedings 2024 / p. 65-92 https://doi.org/10.1007/978-3-031-66438-0_4 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Bialgebraic foundations for the operational semantics of string diagrams

Bonchi, Filippo; Piedeleu, Robin; **Sobocinski, Pawel Maria**; Zanasi, Fabio Information and computation 2021 / art. 104767, 22 p <https://doi.org/10.1016/j.ic.2021.104767> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Birepresentation of Mal'tsev Algebras

Paal, Eugen International Congress on Algebra in Memory of A.L.Shirsov : Barnaul, August 20-25 : theses on ring theory, algebras and modules : abstracts 1991 / p. 172

Birepresentations of Mal'tsev algebras

Paal, Eugen Tallinna Tehnikaülikooli Toimetised 1994 / lk. 19-32

Book reviews : Semigroups and automata. SelectaUno Kaljulaid (1941-1999). Edited by Jaak Peetre (Lund, Sweden) and Jaan Penjam (Tallinn, Estonia), 2006, IOS Press, Amsterdam. ISBN 1-58603-582-7

Lumiste, Ülo Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2006 / p. 189-191

Build, augment and destroy, universally

Ghani, Neil; **Uustalu, Tarmo**; Vene, Varmo Programming Languages and Systems : Second Asian Symposium : APLAS 2004 : Taipei, Taiwan, November 4-6, 2004 : proceedings 2004 / p. 327-347 https://www.researchgate.net/publication/221323363_Build_Augment_and_Destroy_Universally

A canonical algebra of open transition systems

Di Lavore, Elena; **Gianola, Alessandro**; **Roman Garcia, Mario**; Sabadini, Nicoletta; **Sobocinski, Pawel Maria** Formal aspects of component software : 17th International Conference, FACS 2021, Virtual Event, October 28-29, 2021 : proceedings 2021 / p. 63-81 https://doi.org/10.1007/978-3-030-90636-8_4 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Canonical gradings of monads

Breuvart, Flavien; McDermott, Dylan; **Uustalu, Tarmo** Proceedings of the 5th Annual International Applied Category Theory Conference (ACT 2022), Glasgow, United Kingdom, 18-22 July 2022 2023 / p. 1-21 <https://doi.org/10.4204/eptcs.380.1> https://msp.cis.strath.ac.uk/act2022/papers/ACT2022_paper_4328.pdf [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Celakoska-Jordanova, Vesna; Celakoska, Emilija; Miovska, Valentina. Free power-semicommutative ternary groupoids : [review]

Henno, Jaak Zentralblatt MATH 2020 / 1 p <https://zbmath.org/?q=an:1436.08008>

Coalgebra, cocomposition and cohomology

Oziewicz, Zbigniew; **Paal, Eugen**; Rozanski, Jerzy Non-associative algebra and its applications 1994 / p. 314-322

Coalgebraic update lenses

Ahman, Danel; **Uustalu, Tarmo** Electronic notes in theoretical computer science 2014 / p. 25-48 : ill <https://doi.org/10.1016/j.entcs.2014.10.003> [Journal metrics at Scopus](#) [Article at Scopus](#)

A coalgebraic view of bar recursion and bar induction

Capretta, Venzano; **Uustalu, Tarmo** Foundations of Software Science and Computation Structures : 19th International Conference, FOSSACS 2016, held as part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2016, Eindhoven, The Netherlands, April 2-8, 2016 : proceedings 2016 / p. 91-106 https://doi.org/10.1007/978-3-662-49630-5_6 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Coassociativity, cohomology and Gerstenhaber algebras

Paal, Eugen Algebras, groups and geometries 1998 / p. 85-93

Codensity lifting of monads and its dual

Katsumata, Shin-ya; Sato, Tetsuya; **Uustalu, Tarmo** Logical methods in computer science 2018 / p. 1-31

(Co)end Calculus

Loregian, Fosco 2021 <https://doi.org/10.1017/9781108778657>

Coherence for skew-monoidal categories

Uustalu, Tarmo Proceedings of the 5th Workshop on Mathematically Structured Functional Programming (MSFP 2014) : Grenoble, France, 12 April 2014 2014 / p. 68-77 <https://doi.org/10.4204/EPTCS.153.5> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Combining algebraic effect descriptions using the tensor of complete lattices

Voorneveld, Niels Electronic notes in theoretical computer science 2020 / p. 257-281 <https://doi.org/10.1016/j.entcs.2020.09.013>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Completeness for categories of generalized automata

Boccali, Guido; **Laretto, Andrea**; **Loregian, Fosco**; Luneia, Stefano 10th Conference on Algebra and Coalgebra in Computer Science, CALCO 2023, Bloomington, 19 June 2023 - 21 June 2023 2023 / art. 20, 14 p. : ill
<https://doi.org/10.4230/LIPICs.CALCO.2023.20> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Constructing higher inductive types as groupoid quotients

Veltri, Niccolò; Weide, Niels van der Logical methods in computer science 2021 / p. 8:1–8:42 [https://doi.org/10.23638/LMCS-17\(2:8\)2021](https://doi.org/10.23638/LMCS-17(2:8)2021) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Constructive final semantics of finite bags

Joram, Philipp; **Veltri, Niccolò** 14th International Conference on Interactive Theorem Proving, ITP 2023, Bialystok, 31 July 2023 - 4 August 2023 2023 / art. 20, 19 p <https://doi.org/10.4230/LIPICs.ITP.2023.20> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Couceiro, Miguel; Devillet, Jimmy. Every quasitrivial (n) -ary semigroup is reducible to a semigroup : [review]

Henno, Jaak Zentralblatt MATH 2020 / 1 p <https://zbmath.org/?q=an:1446.20084>

Davvaz, Bijan; Leoreanu-Fotea, Violeta; Feng, Feng. Redox reactions as experimental examples of ternary weak algebraic hyperstructures : [review]

Zentralblatt MATH 2018 / [2] p <https://zbmath.org/?q=1397.20073>

Degrading lists

McDermott, Dylan; Pirog, Maciej; **Uustalu, Tarmo** Proceedings of the 22nd International Symposium on Principles and Practice of Declarative Programming (PPDP 2020), Part of BOPL 2020 : The Bologna Federated Conference on Programming Languages, 8-10 September 2020 2020 / art. 6, 14 p <https://doi.org/10.1145/3414080.3414084> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Diagrammatic polyhedral algebra

Bonchi, Filippo; Di Giorgio, Alessandro; **Sobocinski, Pawel Maria** 41st IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS 2021) 2021 / p. 40:1-40:18 <https://doi.org/10.4230/LIPICs.FSTTCS.2021.40>
[Conference Proceedings at Scopus](#) [Article at Scopus](#)

Differential 2-rigs

Loregian, Fosco; **Trimble, Todd** Proceedings Fifth International Conference on Applied Category Theory (ACT 2022), Glasgow, United Kingdom, 18-22 July 2022 2023 / p. 159-182 : ill <https://doi.org/10.4204/EPTCS.380.10> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Differential 2-rigs

Loregian, Fosco; Trimble, Todd arXiv.org 2022 / 16 p. : ill <https://doi.org/10.48550/arXiv.2103.00938>
https://msp.cis.strath.ac.uk/act2022/papers/ACT2022_paper_4413.pdf

Dodek, W. A.; Trokhimenko, V. S. Menger algebras of idempotent n -ary operations : [review]

Henno, Jaak zbMATH Open 2022 / 1 p <https://zbmath.org/1413.20061>

Dolinka, Igor. Finite bands are finitely related : [review]

Zentralblatt MATH 2018 / [1] p <https://zbmath.org/?q=06936367>

"Dynamical" Poincare algebra and higher-spin interaction theory

Loide, Rein-Karl; Saar, R.; Ots, I.; Tammelo, R. Proceedings of the Sixth International Wigner Symposium. 1 2002 / p. 199-266

Dynamical Poincare algebras and higher spin interaction theory

Saar, R.; Ots, I.; **Loide, Rein-Karl**; Vili, R. Hadronic journal 1997 / p. 559-574

Effective algebraic analysis approach to linear systems over Ore algebras

Cluzeau, T.; Koutschan, C.; Quadrat, A.; **Tönso, Maris** Algebraic and symbolic computation methods in dynamical systems 2020 / p. 3-52 https://doi.org/10.1007/978-3-030-38356-5_1

Escrows are optics

Genovese, Fabrizio; Loregian, Fosco; **Palombi, Daniele** arXiv.org 2022 / 16 p. : ill <https://doi.org/10.48550/arXiv.2105.10028>
<https://arxiv.org/pdf/2105.10028.pdf>

Extended observer form with vector fields

Mullari, Tanel; **Kotta, Ülle**; **Kaldmäe, Arvo**; **Kaparin, Vadim**; Simha, Ashutosh International journal of control 2024 / p. 2399 - 2412
<https://doi.org/10.1080/00207179.2023.2274060> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

First order power-associative deformations of Pauli algebra

Kõiv, Madis; **Loide, Rein-Karl** Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1979 / lk. 76-79 https://www.ester.ee/record=b1264310*est

Flexible presentations of graded monads

Katsumata, Shin-ya; McDermott, Dylan; **Uustalu, Tarmo**; Wu, Nicolas Proceedings of the ACM on Programming Languages 2022 / art. 123, 28 p <https://doi.org/10.1145/3547654> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Flexibly graded monads and graded algebras

McDermott, Dylan; **Uustalu, Tarmo** Mathematics of Program Construction : 14th International Conference on Mathematics of Program Construction, MPC 2022, Tbilisi, September 26-28, 2022 : proceedings 2022 / p. 102-128 : ill https://doi.org/10.1007/978-3-031-16912-0_4 [Conference Proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#) [Conference proceeding at WOS](#)

Functions' algebra in nonlinear control : computational aspects and software

Belikov, Juri; **Kaldmäe, Arvo**; **Kaparin, Vadim**; **Kotta, Ülle**; Shumsky, Alexey Ye.; **Tönso, Maris**; Zhirabok, Alexey Proceedings of the Estonian Academy of Sciences 2017 / p. 89-107 <https://doi.org/10.3176/proc.2017.1.06> http://www.ester.ee/record=b2355998*est
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Generalized Lie theory in mathematics, physics and beyond

Silvestrov, Sergei; **Paal, Eugen**; Abramov, Viktor; Stolin, Alexander 2009 <https://link.springer.com/book/10.1007/978-3-540-85332-9>

Graded q-differential algebra with differential D3=0 on the quantum plane GLp,q(2)

Bazunova, Nadežda Algebra, geometry and mathematical physics : Baltic-Nordic Workshop : October 11-13, 2007, Göteborg, Sweden : abstracts 2007 / p. 3

Hulkliikmetest ja algebralistest võrranditest : fakultatiivkursus XI klassile

Lõhmus, Ahto 1991 https://www.ester.ee/record=b1197645*est

Hulkliikmetest ja algebralistest võrranditest : fakultatiivkursus XI klassile

Lõhmus, Ahto 1980 https://www.ester.ee/record=b1270104*est

Identification of pseudo-random noise generator structure

Lossmann, Eerik; **Meister, Ants**; **Madar, Urve** Elektronika ir elektrotehnika = Electronics and electrical engineering 2005 / 6, p. 13-15 <https://eejournal.ktu.lt/index.php/elt/article/view/10460>

Invitation to composition

Kluge, Liivi; **Paal, Eugen**; Stasheff, Jim Communications in algebra 2000 / 3, p. 1405-1422

Jäähulkliikmega Tauberi teoreem Cesaro summeerimismenetluse korral

Tammeraid, Ivar Konverentsi "Algebra ja analüüsi meetodid V" teesid : Tartus, 20. ja 21. novembril 1998. a. / Tartu Ülikool, matemaatikateaduskond 1998 / lk. 35

Keskkooli algebra

Borkvell, Albert; Kasvand, August; Laarens, Felix 1937 https://www.ester.ee/record=b1537705*est

Keskkooli algebra

Borkvell, Albert; Kasvand, August; Laarens, Felix 1937 https://www.ester.ee/record=b1537699*est

Kõrgema matemaatika kontrolltööd. Algebra = Контрольные работы по высшей математике : алгебра

1989 https://www.ester.ee/record=b1209438*est

Kõrgema matemaatika teatmik. I, Põhimõisted. Lineaaralgebra. Analüütiline geomeetria

1978 https://www.ester.ee/record=b1308433*est

Mal'tsev algebras and conservation laws

Löhmus, Jaak; **Paal, Eugen**; Sorgsepp, Leo Abst. II Int. Wigner Symposium, Goslar, July 15-20, 1991 1991 / p. 75

Mal'tsev algebras and conservation laws

Löhmus, Jaak; **Paal, Eugen**; Sorgsepp, Leo Contemporary mathematics 1995 / p. 281-290

Mal'tsev algebras and triality

Paal, Eugen Journal of physics : conference series 2012 / p. 012015 <https://iopscience.iop.org/article/10.1088/1742-6596/346/1/012015>

Mashevitzky, G. Identical inclusions of semilattices : [review]

Henno, Jaak Zentralblatt MATH 2020 / 1 p <https://zbmath.org/?q=an:1443.20085>

Materjale keskkooli matemaatikakursuse kordamiseks. I osa, Aritmeetika ja algebra

1971 https://www.ester.ee/record=b1328970*est

Non-coordinate case of graded differential algebra with ternary differential

Bazunova, Nadežda Journal of nonlinear mathematical physics 2006 / Supplement, August, p. 21-26

<https://www.tandfonline.com/doi/pdf/10.2991/jnmp.2006.13.s.3>

Note on analytic Moufang loops

Paal, Eugen Abstracts of International Conference : Loop'03 : Prague, 2003 2003 <https://eudml.org/doc/249351>

Note on Moufang-Noether currents

Paal, Eugen Czechoslovak journal of physics 2006 / 10/11, p. 1257-1262 <https://arxiv.org/pdf/math-ph/0606054.pdf>

On $\mathbb{I}$ -representations of polynomial algebras in quantum matrix spaces of rank 2

Bershtein, Olga Algebras and representation theory 2014 / p. 1083-1093 <https://doi.org/10.1007/s10468-013-9433-z> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On algebraic structure of pre-operad

Kluge, Liivi 2002 https://www.ester.ee/record=b1688674*est

On currents and symmetries associated with Mal'tsev algebras

Löhmus, Jaak; **Paal, Eugen**; Sorgsepp, Leo 1989 https://www.ester.ee/record=b1209537*est

On derivation deviations in an abstract pre-operad

Kluge, Liivi; Paal, Eugen Communications in algebra 2001 / p. 1609-1626

https://www.researchgate.net/publication/2099024_On_derivation_deviations_in_an_abstract_pre-operad

On doctrines and Cartesian bicategories

Bonchi, Filippo; Santamaria, Alessio; Seeber, Jens; **Sobocinski, Pawel Maria** CALCO 2021 : 9th International Conference on Algebra and Coalgebra in Computer Science, Aug 31 - Sep 3, 2021, Salzburg, Austria : proceedings 2021 / p. 10:1-10:7

<https://doi.org/10.4230/LIPIcs.CALCO.2021.10> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

On mathematical complexity of Sriyantra

Pustönski, Vladislav-Veniamin Indian journal of history of science 2014 / p. 268-277 : ill

On Shirshov bases of graded algebras

Petrov, Fedor; **Zusmanovich, Pasha** Israel journal of mathematics 2013 / p. 23-28 <https://doi.org/10.1007/s11856-012-0175-0> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the utility of Robinson-Amitsur ultrafilters

Zusmanovich, Pasha Journal of algebra 2013 / p. 268-286 <https://doi.org/10.1016/j.jalgebra.2013.04.024> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Operadic quantization as a tool for discrete geometry

Paal, Eugen; Virkepu, Jüri 3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012) 2014 / p. 1-9 <https://doi.org/10.1088/1742-6596/532/1/012023> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Operads and cohomology

Kluge, Liivi; Paal, Eugen Algebras, groups and geometries 2004 / p. 1-7

Operads and deformations

Paal, Eugen Algebras, groups and geometries 2005 / p. 193-200

Operads and nonassociative deformations

Paal, Eugen Non-associative algebra and its applications 2006 / p. 323-328

<https://www.taylorfrancis.com/chapters/edit/10.1201/9781420003451-34/operads-nonassociative-deformations-eugen-paal>

Operads for x-physics

Paal, Eugen Czechoslovak journal of physics 2001 / 12, p. 1407-1413

Operads for x-physics

Paal, Eugen Abstracts of 10th International Colloquium "Quantum Groups and Integrable Systems" : Prague, 21-23 June, 2001 2001

/ p. 8 https://www.researchgate.net/publication/226036969_Operads_for_x-physics

Partial and relational algebraic theories = Osalisid ja relatsioonilised algebralised teooriad

Nester, Chad Mitchell 2024 https://www.eester.ee/record=b5650413*est <https://digikogu.taltech.ee/et/Item/696327ea-955a-45ad-bf93-bca34084131f> <https://doi.org/10.23658/taltech.4/2024>

Peirce's sequent proofs of distributivity

Ma, Minghui; **Pietarinen, Ahti-Veikko** Logic and Its Applications : 7th Indian Conference, ICLA 2017, Kanpur, India, January 5-7, 2017 : proceedings 2017 / p. 168-182 https://doi.org/10.1007/978-3-662-54069-5_13 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Preface

Makhlouf, Abdenacer; **Paal, Eugen**; Silvestrov, Sergei; Stolin, Alexander Algebra, geometry and mathematical physics : AGMP, Mulhouse, France, October 2011 2014 / p. vii-ix

Preface to "Algebra, Geometry, and Mathematical Physics 2010"

Abramov, Viktor; Fuchs, Jürgen; **Paal, Eugen**; Shestopalov, Y.; Silvestrov, Sergei; Stolin, Alexander Journal of physics : conference series 2012 / p. 0111001 <https://ui.adsabs.harvard.edu/abs/2012JPhCS.346a1001S/abstract>

The produoidal algebra of process decomposition

Earnshaw, Matthew David; Hefford, James; **Roman Garcia, Mario** arXiv.org 2023 / 56 p. : ill <https://doi.org/10.48550/arXiv.2301.11867>

Realization of nonlinear time-delay input–output equations

Kaldmäe, Arvo; Kotta, Ülle; Tõnso, Maris IEEE Control Systems Letters 2018 / p. 369-374

<https://doi.org/10.1109/LCSYS.2018.2838456> [Journal metrics at Scopus](#) [Article at Scopus](#)

Relativistic wave equations with weak discrete symmetries and new algebras

Loide, Rein-Karl; Ots, I.; Saar, R.; Kiiränen, K. TU Wien, WigSym 5, 25-29 Aug. 1997 : program & abstracts 1997 / p. 67

Residuation in existential graphs

Haydon, Nathan Joseph; **Pietarinen, Ahti-Veikko** Diagrammatic Representation and Inference : 12th International Conference, Diagrams 2021, Virtual, September 28–30, 2021 : proceedings 2021 / p. 229–237 https://doi.org/10.1007/978-3-030-86062-2_21 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Rule algebras for adhesive categories

Behr, Nicolas; **Sobocinski, Pawel Maria** Logical methods in computer science 2020 / p. 2:1–2:38 [https://doi.org/10.23638/LMCS-16\(3:2\)2020](https://doi.org/10.23638/LMCS-16(3:2)2020) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Runners for interleaving algebraic effects

Voorneveld, Niels Theoretical Aspects of Computing - ICTAC 2022 : 19th International Colloquium, Tbilisi, Georgia, September 27–30, 2022 : proceedings 2022 / p. 407-424 https://doi.org/10.1007/978-3-031-17715-6_26 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Seminar "Algebra ja tema rakendused" : [2.-4. mail 2008 Viinistul]

Puusemp, Peeter Aastaraamat 2008 / Eesti Matemaatika Selts 2010 / lk. 107-109 : fot

Seminar "Algebra ja tema rakendused" : Nelijärve, 7.-8. mai 2005

Paal, Eugen; **Puusemp, Peeter** Aastaraamat 2005 / Eesti Matemaatika Selts 2006 / lk. 243-244

Span(Graph) : a canonical feedback algebra of open transition systems

Di Lavore, Elena; Gianola, Alessandro; **Roman Garcia, Mario**; Sabadini, Nicoletta; **Sobocinski, Pawel Maria** Software and systems modeling 2023 / p. 495-520 : ill <https://doi.org/10.1007/s10270-023-01092-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Streams of approximations, equivalence of recursive effectful programs

Veltri, Niccolo; Voorneveld, Niels Mathematics of Program Construction: 14th International Conference, MPC 2022, Tbilisi, Georgia, September 26–28, 2022, Proceedings 2022 / p. 198-221 : ill https://doi.org/10.1007/978-3-031-16912-0_8 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

String diagram rewrite theory I : rewriting with Frobenius structure

Bonchi, Filippo; Gadducci, Fabio; Kissinger, Aleks; **Sobocinski, Pawel Maria**; Zanasi, Fabio Journal of the ACM 2022 / art. 14 <https://doi.org/10.1145/3502719> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

String diagram rewrite theory II : rewriting with symmetric monoidal structure

Bonchi, Filippo; Gadducci, Fabio; Kissinger, Aleks; **Sobocinski, Pawel Maria**; Zanasi, Fabio Mathematical structures in computer science 2022 / p. 511 - 541 <https://doi.org/10.1017/S0960129522000317> [Journal at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The structure of concurrent process histories

Nester, Chad Mitchell Coordination Models and Languages : 23rd IFIP WG 6.1 International Conference, COORDINATION 2021, Held as Part of the 16th International Federated Conference on Distributed Computing Techniques, DisCoTec 2021, Valletta, Malta, June 14-18, 2021 : proceedings 2021 / p. 209–224 https://doi.org/10.1007/978-3-030-78142-2_13 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Subdividing the positive cone $(\mathbb{R}^+)^n$ by Voronoi perfect polyhedras and totally positive algebraic integers

Leibak, Alar 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 78

Supersymmetry : superfield equations of motion

Loide, Rein-Karl; Suurvarik, Pavel 3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012) 2014 / p. 1-7 <https://doi.org/10.1088/1742-6596/532/1/012016> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Sweedler theory of monads

McDermott, Dylan; **Rivas, Exequiel; Uustalu, Tarmo** Foundations of Software Science and Computation Structures : 25th International Conference, FOSSACS 2022, Held As Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2022, Munich, Germany, April 2-7, 2022 : proceedings 2022 / p. 428-448 https://doi.org/10.1007/978-3-030-99253-8_22 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Tetracomposition

Kluge, Liivi; Paal, Eugen Communications in contemporary mathematics 2002 / 3, p. 435-456

The connection between different static state feedback linearizability conditions of discrete time nonlinear control systems

Mullari, Tanel; Kotta, Ülle; Tönso, Maris Proceedings of the European Control Conference 2007, Kos, Greece, July 2-5, 2007 2007 / p. 4268–4275 <http://ieeexplore.ieee.org/document/7068444/>

The produoidal algebra of process decomposition

Earnshaw, Matthew David; Hefford, James; **Román, Mario** 32nd EACSL Annual Conference on Computer Science Logic (CSL 2024) 2024 / art. 25, 19 p. ill <https://doi.org/10.4230/LIPIcs.CSL.2024.25> [Conference proceedings](#) [Article at Scopus](#) [Article at WOS](#)

The smash product of monoidal theories

Hadzihasanovic, Amar 36th Annual ACM/IEEE Symposium on Logic in Computer Science (LICS), 29 June-2 July 2021, Rome, Italy, virtual : proceedings 2021 / art. 9470575, 13 p <https://doi.org/10.1109/LICS52264.2021.9470575> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

3Quantum : Algebra Geometry Information

Paal, Eugen; Kuusk, Piret; Stolin, Alexander 3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012) 2014 / p. 1-7 <https://doi.org/10.1088/1742-6596/532/1/011001> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

3Quantum : Algebra Geometry Information (QQQ Conference 2012) : 10-13 July 2012, Tallinn, Estonia : dedicated to memory of Professor Jean-Louis Loday (1936-2012)

2014

Transformation of nonlinear discrete-time state equations into the observer form : revision

Mullari, Tanel; Kotta, Ülle Proceedings of the Estonian Academy of Sciences 2023 / p. 1-5 <https://doi.org/10.3176/proc.2023.1.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Triangulated factorization systems and t-structures

Loregian, Fosco; Virili, Simone Journal of algebra 2020 / p. 219-241 <https://doi.org/10.1016/j.jalgebra.2019.12.021> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

2D binary operadic Lax representation for harmonic oscillator

Paal, Eugen; Virkepu, Jüri Noncommutative structures in mathematics and physics : 22-26 juli 2008 2010 / p. 209-216 https://www.researchgate.net/publication/1913785_2D_binary_operadic_Lax_representation_for_harmonic_oscillator

Type-theoretic constructions of the final coalgebra of the finite powerset functor

Veltri, Niccolo 41st IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science (FSTTCS 2021) 2021 / p. 22:1-22:18 <https://doi.org/10.4230/LIPIcs.FSCD.2021.22> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

A unifying categorical view of nondeterministic iteration and tests

Goncharov, Sergey; **Uustalu, Tarmo** 35th International Conference on Concurrency Theory (CONCUR 2024) 2024 / art. 25 <https://doi.org/10.4230/LIPIcs.CONCUR.2024.25> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Update monads: Cointerpreting directed containers

Ahman, Danel; **Uustalu, Tarmo** 19th International Conference on Types for Proofs and Programs : TYPES 2013, April 22–26, 2013, Toulouse, France 2014 / p. 1-23 : ill <https://doi.org/10.4230/LIPIcs.TYPES.2013.1> [Conference proceeding at Scopus](#) [Article at Scopus](#)

A variety theorem for relational universal algebra

Nester, Chad Mitchell Relational and Algebraic Methods in Computer Science : 19th International Conference, RAMiCS 2021, Marseille, France, November 2–5, 2021 : proceedings 2021 / p. 362–377 https://doi.org/10.1007/978-3-030-88701-8_22 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Web-based software implementation of finite state machine decomposition for design and education

Devadze, Sergei; Kruus, Margus; Sudnitsõn, Aleksander CompSysTech' 2001 : proceedings of the International Conference on Computer Systems and Technologies, Sofia, 21-22 June 2001 2001 / [6] p. : ill https://pld.ttu.ee/decomposition/publications/Sudnitson_CST_Estonia.pdf

What makes a strong monad?

McDermott, Dylan; **Uustalu, Tarmo** Proceedings of the Ninth Workshop on Mathematically Structured Functional Programming 2022 / p. 113-133 <https://doi.org/10.4204/EPTCS.360.6> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Üldalgebra alused : loengukonspekt

Puusemp, Peeter 2002 http://www.ester.ee/record=b1594092*est

Üldalgebra alused : õpik kõrgkoolidele

Puusemp, Peeter 2012 https://www.ester.ee/record=b2768990*est <https://digikogu.taltech.ee/et/Item/efda564d-8bb6-460b-b580-67201df83d29>

Алгебраическая структура чисел с операцией дистрибутивной относительно умножения

Kivinukk, Andi; Sirel, A. XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 1, Общие науки. Физико-математические науки. Строительство. Экономика 1981 / с. 60 https://www.ester.ee/record=b1322624*est

Вложения систем Менгера

Henno, Jaak Всесоюзный коллоквиум по общей алгебре. Резюме сообщений и докладов 1971

Метод декомпозиции конечных автоматов с использованием алгебры пар покрытий

Sudnitsõn, Aleksander Расчет и проектирование приборов, устройств и систем технической кибернетики 1980 / с. 3-9 https://www.ester.ee/record=b1281890*est <https://digikogu.taltech.ee/et/Item/8e0abfe2-9020-4ebd-85d1-fd67de0d1b30>

О некоторых свойствах систем Менгера : автореферат ... кандидата физико-математических наук (01.01.03)

Henno, Jaak 1974 http://www.ester.ee/record=b1328531*est

О некоторых свойствах систем Менгера : диссертация на соискание ученой степени кандидата физико-математических наук

Henno, Jaak 1973 http://www.ester.ee/record=b3783051*est

Отображения между алгебрами ограниченных непрерывных A-значных функций

Abel, Mati Обработка информации. Функциональный анализ 1974 / с. 37-48 https://www.ester.ee/record=b1347059*est <https://digikogu.taltech.ee/et/Item/0dd16355-1e9a-4ed9-b616-b6d162fa44a5>

Плотно вложенные левые идеалы систем Менгера. I

Henno, Jaak Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1973 / lk. 123-130

https://www.ester.ee/record=b1264310*est

Плотно вложенные правые идеалы систем Менгера

Henno, Jaak Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1972 / lk. 131-141
https://www.ester.ee/record=b1264310*est

Плотные вложения в системах Менгера

Henno, Jaak Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1972 / lk. 231-238
https://www.ester.ee/record=b1264310*est

Свободные Ω -системы

Henno, Jaak Математика и теоретическая механика : сборник статей. 7 1973 / с. 29-40 https://www.ester.ee/record=b2190580*est
<https://digikogu.taltech.ee/et/Item/21dbe945-8f82-454a-940e-322b3fdbe756>

Связность пространства максимальных идеалов алгебры ограниченных непрерывных A -значных функций

Abel, Mati Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1973 / lk. 214-216
https://www.ester.ee/record=b1264310*est

Сложность вычисления в многоосновных алгебрах

Henno, Jaak Материалы конференции "Методы алгебры и функционального анализа при исследовании семейств операторов" : 24-26 ноября 1978 1978 / с. 93-96 https://www.ester.ee/record=b1272270*est

Эквивалентности Грина в системах Менгера

Henno, Jaak Matemaatika- ja mehhaanikaalaseid töid. 10 1971 / с. 37-46 https://www.ester.ee/record=b1715026*est