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R E F E R E N C E S



Academician Mirjana Vuković

RESEARCH PAPERS

43. **M.Vuković**, *Brown-McCoy and large Brown-McCoy Radicals of Paragraded Rings* accepted for publication).

42. **M.Vuković**, A. Panchishkin, *The contribution and legacy of an outstanding algebraist of Moscow State University, Professor Alexander Vasilevich Mikhalev*, Fund. Prikl. Mat. (will appear in russian) and in Springer's J. Math. Sci. (in english)

41. **M.Vuković**, *Panoramic view of graded structures from Euler and Bourbaki-Krasner to Krasner – Vuković*, Fund. Prikl. Mat., T. 24 (2023), No. 3, pp. 23-37 (in russian) and will appear in Springer's J. Math. Sci. in english.
MathSciNet Scopus Math-Net.Ru **crossref** WorldCat Google **Ru-Imp-fac.**
Editor: Moscow's States University Lomonosov and **Springer Nature**

40. **M.Vuković**, *Радикалы парапрадуированных колец*, Fund. Prikl. Mat., Moscow, T. 24, № 2, 3-22 (2022); Translation – english version: *Radicals of Paragraded Rings, dedicated to A.V. Mikhalev*), Springer's J. Math. Sci., Vol. **275**, No. 4, 379-392 (2023).
MSC: 20L05, 08A05, 20J99, 18A22, 20J15. DOI 10.1007/s10958-023-06689-3
MathSciNet Scopus Math-Net.Ru doi **crossref** WorldCat Google **Ru-Imp.-fac.**
Editors: Moscow's States University Lomonosov and **Springer Nature Switzerland**

39. **M.Vuković**, *On noncommutative paragraded rings*, Sarajevo J. Math. Vol. 16, No. 1, 5-11 (2020).
MSC: 16N20 16W50
MathSciNet Zbl 0725826 WorldCat doi Google
http://www.anubih.ba/Journals/vol.16,no-1,y20/01_1562-mirjana_vukovic.pdf
Editor: ANUBiH

38. **M.Vuković,** *From Krasner's Corpoid and Bourbaki's Graduations to Krasner's Graduations and Krasner-Vuković's Paragraduations*, Sarajevo J. Math. Vol.14 (27), No.2, 175-190 (2018).
MSC: 08A05, 18A22, 20J15, 20L05, 20J99, 16W50.

Zbl 1438.20049 MathSciNet doi WorldCat Google
http://www.anubih.ba/Journals/vol.14,no-2,y18/07_1304_M.Vukovic.pdf
Editor: ANUBiH

37. **M.Vuković** (& E.Ilić Georgijević), *The Wedderburn–Artin Theorem for Paragraded Rings*, J. Math. Sci., **221**, No. 3, p. 391- 400 (2017) (Translat. from Fundam. Prikl. Mat., Moscow, T 19, № 6, 125-139 (2014)).
MSC: 16W70, 16N20, 16P20
doi: MathSciNet Scopus Math-Net.Ru **crossref** WorldCat Google **Ru-Imp-fac.**
https://link.springer.com/content/pdf/10.1007%2Fs10958-017-3233-7.pdf
Editor: Springer, New-York, USA

36. **M.Vuković** (&E.Ilić Georgijević), *A Note on General Radicals of Paragraded Rings*, Sarajevo J. Math. Vol. 12 (25), No. 2, Suppl., 317-324 ((2016).
MSC: 16W50, 16N80.
Zbl 1424.16097 MathSciNet doi: 10.5644/SJM.12.3.05 WorldCat Google
http://www.anubih.ba/Journals/vol.12,no-3,y16/05Rev-general_radicals_KV.pdf
Editor: ANUBiH

35. **M.Vuković** (& E.Ilić Georgijević), *A Note on Radicals of Paragraded Rings*, Sarajevo J. Math. Vol. 12 (25), No. 2, Suppl., 307- 316 (2016).
MSC: 16W50, 16N20, 16N60.
Zbl 1424.16096 MathSciNet: **2954683** doi : 10.5644/SJM.12.3.04 WorldCat Google
http://www.anubih.ba/Journals/vol.12,no-3,y16/04Rev-radicals-KVc.pdf
Editor: ANUBiH

34. **M.Vuković** (&E.Ilić Georgijević, O.Stevanović), *On an Application of Parseval's Formula to Problems of the* G_h^{κ} *–Summability of Eigenfunction expansion of the Laplacian Operator,* Sarajevo J. Math., Vol. 12 (25), No. 2, 143-150 (2016).
MSC: 40G99, 42C10
Zbl 1424.40048 MathSciNet doi WorldCat Google
http://www.anubih.ba/Journals/vol.12,no-2,y16/14Vukovic-Parseval-1183.pdf
Editor: ANUBiH

33. **M.Vuković** (& E.Ilić Georgijević), *Primary Decomposition of General Graded Structures*, Buletunul Acad. de Ştiinţe a Republicii Moldova. Matematica, 1, 77, 87- 96 (2015).
Zbl 1352.16042 MathSciNet Math-Net.Ru Scopus Google WorldCat
http://www.math.md/files/basm/y2015-n1/y2015-n1-(pp87-96).pdf
Editor: Acad. of Sci., Moldova

32. **M.Vuković** (&I.Zubac), *Abel Type Theorems for the Wavelet Transform through the Quasi-asymptotic Boundedness*, Novi Sad J. Math., Vol 45, No. 1, 201-206 (2015).
MSC: 46F12, 42C40.
Zbl 0674.9304 MathSciNet Scopus doi Google
http://www.dmi.uns.ac.rs/nsjom/Papers45_1/NSJOM_45_1_201_206.pdf
Editor: Department of Mathematics and Informatics, Faculty of Sciences, Univ. of Novi Sad

31. **М.Вукович** (& Э. Илич Георгиевч)**,** *Теорема Веддербёрна-Артина для параградуированных колец*, Фундам. Прикл. Мат., Том 19, № 6,125-139 (2014).
УДК 512.552. MathSciNet Math-Net.Ru **Ru-Imp.-fac.** doi Google
http://mech.math.msu.su/~fpm/rus/k14/k146/k14606g.htm
http://mech.math.msu.su/~fpm/rus/contents.html
Editor: Moscow's States University Lomonosov

30. **M.Vuković** (& M.Tuba, R.Capor Hrošik), *Face Detection Based on Invariant Moment Classified by Neutral Network, International Journal of Circuits, System and Signal Processing*, Vol 8, 203-210 (2014).

WSEAS WEB OF SCIENCE Scopus Zbl Index Copernicus, Inspec-The IET, Semantic Scholar, Cobiss
ISSN: 1998-4464
http://www.naun.org/main/NAUN/circuitssystemssignal/2014/a362005-176.pdf

29. **M.Vuković** (&E.Ilić Georgijević), *Paragraded Rings and Their Ideals*, J. Math. Sci., **191**, No. 5, 654-660 (2013). (Transl. from Fundam. Prikl. Mat., MGU, Moscow, **17**, No. 4, 83-93 (2011/12) Zbl 1280.16046 MathSciNet Math-Net.Ru Scopus **crossref** doi: **10.1007/s10958-013-1349-y**
WorldCat Google
https://link.springer.com/content/pdf/10.1007%2Fs10958-013-1349-y.pdf
Editor: Springer, New-York, US

28. **M.Vuković** (&M. Tuba, R. Capor, A. Alihodžić, M. Pikula), *Firefly Algorithm for Constrained Optimization Problems*, Proceedings of the 12th Int. Conf. on Telecommunications and Informatics (TELE-INFO'13), Morgan State Univ., Baltimore, USA,139-144 (2013), **(**Recent Advances in Computer Engineering Series
WSEAS) doi Google **crossref** □**ISSN:1790-5117**□ **ISBN: 978-960-474-330-8**
http://www.wseas.us/e-library/conferences/2013/Baltimore/TESIMI/TESIMI-00.pdf

27. **M.Vuković** (& M.Tuba, R.Capor, M.Pikula), *Face Detection by Neural Networks Based on Invariant Moments*, Proceedings of the 4th Int. Conf. on Math. Models for Engineering Science (MMES '13), Brasov, Romania, June, 1-3, 45-50 (2013).
WSEAS crossref doi Google **ISBN: 978-1-61804-194-4.**
http://www.wseas.us/e-library/conferences/2013/Brasov/MMIC/MMIC-06.pdf

26. **M.Vuković** (& R.Capor, M.Tuba), *Face Detection Algorithm Based on Skin Detection and Invariant Moments*, Proceedings of the 12th Int. Conf. on Artificial Intelligence, Knowledge Engineering and Data Bases (AIKED'13), Clare College, Cambridge, UK, February 20-22, 110-115 (2013).
WSEAS crossref doi Google **ISSN: 1790-5109; ISBN: 978-1-61804-162-3.**
http://www.wseas.org/multimedia/books/2013/CambridgeUK/AISE.pdf

25. **M.Vuković** (& B.Martić), *Stolz-Karamata Theorems, Part* II (*To the memory of Jovan Karamata*), Radovi Filozofskog fakulteta Pale, br. 14, Knj. 2, 9–18 (2012).
MSC: 40A05; **40D05**; **40AE5**; **41A27**; **43A50.**
UDK 510.22. Google doi**:10.725/REFEN 121 40 33V**
Editor: Faculty of Philosophy, University of East Sarajevo

24. **М.Вукович** (& Э. Илич Георгиевч), *Параградуированные кольца и их идеалы* (*Para-graded rings and their ideals*), Фундам. Прикл. Мат. МГУ, Москва, Vol. 17, No. 4, 83-93 (2011/2012)**, (ru-eng). UDK 512. 552** Math-Net.Ru Zbl 1280. 16046 **Ru-Imp.-fac.** Google doi
ISSN: 1072-3374 (Print); 1573-8795 (Online);
http://mech.math.msu.su/~fpm/ps/k1112/k114/k11405.pdf
http://mech.math.msu.su/~fpm/eng/k1112/k114/k11405h.html
Editor: Lomonosov Moskov State University

23. **M.Vuković** (& E. Ilić-Georgijević), *Sheaves of Paragraded Rings*, Sarajevo J. of Math. Vol. 7 (20), 153-161 (2011). **MSC: 16S60; 16S85; 16W99** Zbl 1241. 16028 MathSciNet doi Google
http://www.anubih.ba/Journals/vol.7,no-2,y11/04RevGeorgijevic-Vukovic.pdf
Editor: ANUBiH

22. **М.Вуковић,** *From Graded to Paragraded Groups and Rings* (in Serbian). *Homage to* Academician Veselin Perić, Book 15, ANURS, Banja Luka, 69 – 119 (2011).
MSC: 08A05; 20L05; 16Y60; 16W50. [ISBN-978-99938-21-29-8], doi Google
Editor: ANRS

21. **M.Vuković** (& B.Martić), *Stolz-Karamata Theorems,* I (*To the memory of Jovan Karamata*), Radovi Filozofskog fakulteta Pale, br. 3, Knj. 2 9 – 18 (2011).
MSC: 40A05; **40D05**; **40AE5**; **41A27**; **43A50. UDK 517.98** doi Google
Editor: Faculty of Philosophy, Universiy of East Sarajevo

20. **M.Vuković**, *Krasner's and Vuković's Paragraduations*, International Conference of

Mathematical and Computational Techologies Sciences – MIT 2009, Kopaonik, 27 - 31. 08. 432 – 436 (2009). doi Google
Editor: Institute of Computational Techologies SB RAS, Novosibirsk, Siberian Branch of Russian Academy of Science, Novosibirsk & University Prishtina in Kosovska Mitrovica.
http://www.yt3w.info/zbornik.pdf

19. **M.Vuković** (& B.Martić), *Boundary Theorems of Stolz-Karamata type* (in Serbian) Faculty of Philosophy, Pale 17- 18. *maj* 2007 (Proceedings of papers, sceientific conference), Knj. 3, Том 2, Phylosophical and Natural-Mathematical Sciences, 503-539 (2008). **UDK** doi Google **Editor: Faculty of Philosophy, University of East Sarajevo**

18. **M.Vuković** (& V.Perić), *Some Examples of Principal Ideal Domains which are not Euclidean and some other Counterexamples*, Novi Sad J. Math. Vol. 38, No. 1, 137-154 (2008); **MSC: 11R04** (**13F07, 13F10**). Zbl 1274.13038 MathSciNet Scopus doi Google
http://www.emis.de/journals/NSJOM/Papers/38_1/NSJOM_38_1_137_154.pdf
Editor: Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad

17. **M.Vuković** (& S.Pilipović, F.Vajzović), *Distribution Semigroups on Function Spaces with Singularities at Zero*, Novi Sad J. Math., Vol. 38, No. 1, 127-135 (2008).
MSC: 47D06 (**46F05**, **47D62**) Zbl. 1199. 47181 MathSciNet Scopus doi Google
http://www.emis.de/journals/NSJOM/Papers/38_1/NSJOM_38_1_127_135.pdf
Editor: Department of Mathematics and Informatics, Faculty of Sciences, University of Novi Sad

16 **M.Vuković** (&A.Bučkovska, S.Pilipović), *Inversion Theorem for Bilinear Hilbert Transform*, Integral Transforms and Special Functions, Vol. 19, No. 5, 317-325 (2008).
MSC: 42B20, (44A15, 46F12)
Zbl 1213.42033 MathSciNet WEB OF SCIENCE Scopus Google **Imp.fac**
ISSN: 1065-2469; OCLC No. 2595 16550.
http://www.worldcat.org/search?q=Inversion+theorem+for+bilinear'Hilbert+transform&qt=owc_search
Editor: Taylor & Francis, Abingdon, Oxfordshire, USA.

15. **M.Vuković,** *Structures graduées et paragraduées*, Prepublication de l'Institut Fourier, Université de Grenoble I (CNRS), No. 536, 1-40 (2001).
OCLC No. 645 22 8786 ; *electronic journal with* cc=, SORAN Pr 335/536-01 (Bibl. Mat. Institut *S. L. Soboljev*).
https://www-fourier.univ-grenoble-alpes.fr/sites/default/files/ref_536.pdf
Editor: *Université de Grenoble* (CNRS), Grenoble

14. **M.Vuković,** *On the* G_h^{κ} *– Summability of Multiple Fourier Series*, Radovi Odj. Tehn. nauka ANUBiH, Knj. LXXXV/12, 110-119, (1988).
Zbl MathSciNet doi Google
Editor: ANUBiH

13. **M.Vuković,** *On an Extension of the "Converse" Bochner's Formula,* Glas. Mat., Ser. III Zagreb, Vol. 23 (43), No. 1, 81-86 (1988).
MSC: 42B99. **UDK: 51.**
Zbl 0654. 42019 MathSciNet Google doi **[YU ISSN: 0017-095 X].**
http://www.emis.de/journals/NSJOM/Papers/38_1/NSJOM_38_1_127_135.pdf
Editor: Faculty of Mathematic, University of Zagreb

12*) **M.Vuković** (& M.Krasner), *Structures paragraduées* (*groupes, anneaux, modules*) (*scientific monograph*), Queen's Papers in Pure and Applied Mathematics, No.77, viii +163 (1987).
MSC: 08A05, 16W50, 20L05,16Y60, 17A99.
Zbl 0624.08001 MathSciNet WorldCat doi Google
OCLC No. 3610 4230; OL 625 989M; [ISBN: QPPAM 77].

Editor: **Queen's University, Kingston, Ontario, Canada.**

11. **M.Vuković** (& M.Krasner), *Structures paragraduées* (*groupes*, *anneaux*, *modules*) **III,** Proc. Japan Acad., Ser. A, **63**, No. 1, 10-12 (1987).
MSC: 08A05, 16W50, 16Y60, 20L05, 17A99
:10.3792/pjaa.63.10 Zbl 0616.08003 MathSciNet Scopus WEB OF SCIENCE **imp.-fac.** WorldCat **[ISSN: 0386-2194].**
https://projecteuclid.org/euclid.pja/1195514019
Editor: Japan Academy of Science

10. **M.Vuković** (& M.Krasner), *Structures paragraduées* (*groupes*, *anneaux*, *modules*) **II**, Proc. Japan Acad., Ser. A, **62**, No. 10, 389-391, (1986).
MSC: 08A05, 16W50, 20L05
: 10.3792/pjaa.62.389. Zbl 0616.08002 MathSciNet Scopus WEB OF SCIENCE **imp.-fac.** WorldCat Google; **[ISSN: 0386-2194].**
https://projecteuclid.org/euclid.pja/1195514064
Editor: Japan Academy of Science

9. **M.Vuković** (& M. Krasner), *Structures paragraduées* (*groupes*, *anneaux*, *modules*) **I**, Proc. Japan Acad., Ser. A, **62**, No. 9, 350-352 (1986).
MSC: 06F99 (**20F99**, **20N99**).
:10.3792/pjaa.62.350, Zbl 0616.08001 MathSciNet WEB OF SCIENCE Scopus WorldCat **imp-fac.**
[ISSN: 0386-2194].
https://projecteuclid.org/euclid.pja/1195514122
Editor: Japan Academy of Science

8. **М.Вукович,** *Об одоной теореме типа Абеля для* G_{Θ}^{κ}*- суммирования*, Radovi Odj. Tehn. Nauka ANUBiH, Sarajevo No. 10, 144-149, (1986).
MSC: 40D99 (42C15).
MathSciNet Zbl RŽ Mat.-Ru Google
Editor: ANUBiH

7. **M.Vuković,** *A Convexity Theorem for* G_h^{κ} *-summability*, Rad. Odj. Prirod i Mat. Nauka ANUBiH, Sarajevo, Knj. LXXIV/22, 133-139 (1983).
MSC: 40G99.
Zbl 0611.40010 MathSciNet RŽ Mat.-Ru Google **[YU ISSN – 0350 - 0047].**
Editor: ANUBiH

6. **M.Vuković**, *On a general O-inverse Theorem* (in Serbo-Croate), Rad. Odj. Tehn. Nauka ANUBiH, Sarajevo, Knj. LXXI / 7, 217-225 (1982).
MSC: 40E99, 40G99.
Zbl 0504. 40007 MathSciNet RŽ Mat.-Ru Google
Editor: ANUBiH

5. **M.Vuković,** *On an* O *– inverse Theorem*, Rad. Odj. Prirod i Mat. Nauka ANUBiH, Knj. LXIX/20, 55-61, (1982). **MSC: 26A45, 40Exx**
Zbl. 0535.26004 MathSciNet RŽ Mat.-Ru Google
Editor: ANUBiH

4. **M.Vuković**, *On a general* G_h^{κ} *-method of summation for multiple Fourier Series*, Rad. Odj. Tehn. Nauka ANU BiH, Sarajevo, Knj. LXVIII / 6, 75-82, (1981).
MSC: 42A24, 42B05. Zbl 0504.42005 MathSciNet RŽ Mat.-Ru Google
Editor: ANUBiH

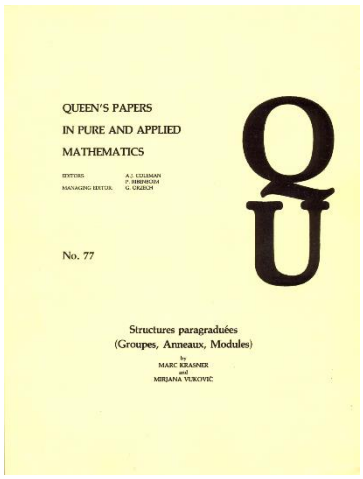
3. **M.Vuković,** *On an assimptotic relation between the spherical means of higher order and the Riesz Mean of Multiple Fourier Series*, Radovi 66, Odj. Prirod. Mat. Nauka ANUBiH Knj. LXV/19,161-171 (1980).

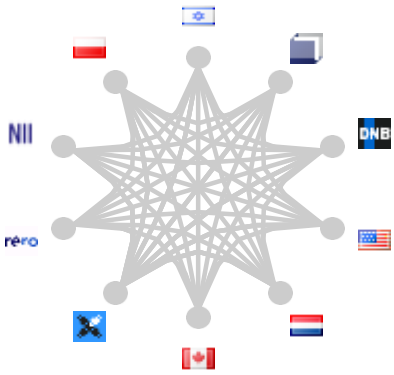
Zbl 0509.42016 MathSciNet RŽ Mat.-Ru Google

Editor: ANUBiH

2. **M.Vuković,** *On some Problems of Summability and on the Applications to the Generalized Fourier Series*, University of Sarajevo, Faculty of Science, Sarajevo, X + 83, (1979).
1. **M.Vuković,** *Hensel's Corps and Henselizations*, M.A. Degree thesis, University of Sarajevo, III + 60, (1975).

12*





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Authority control

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- **MGP ID:159055**
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- **Library of Congress/NACO: LC-n88662504**
- **Open Library ID: OL17925698M**
- CiNii • **NCID BA01499752 http://ci.nii.ac.jp/ncid/BA01499752**
- **Library Australia ID: 5713528 • trove.ula.ua**

- **100 1_** ‡a Vukovic, Mirjana **German National Library: DNB 177864095**
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- **100 1_** ‡a Vuković, Mirjana **Library and Archives Canada: LAC-0060G9629**
- **100 1_** ‡a Vuković, Mirjana **Math-Net Ru: 75666**

DIFFERENT PAPERS (REMEMBERINGS, OBITUARIES)

10. **M.Vuković**, *One hundred years since birth of Academician Manojlo Maravić and twenty years of his death*, Sarajevo J. of Math. Vol. 16 (29), No. 2, 145-152 (2020).
MSC: 01A70, 01A65.
Zbl 07309234 MathSciNet doi WorldCat Google

9. M.Vuković **(&**Karmelita Pjanić- Lagumdžija), *Sangaku fan shape problems*, Scientific - Issues of Jan Długosz University in Częstochowa, Vol. XXIII, 45-56 (2018).
http://yadda.icm.edu.pl/yadda/element/bwmeta1.element.baztech-3ecada10-b775-4b8c-8212-0e0887ba68ec
Zbl 2 MathSciNet doi:
http://dx.doi.org/10.16926/m.2018.23.04

8. **M. Vuković** (and M. Džamonja), *Obituary Academician Fikret Vajzović* 1928-2017, Sarajevo, J. of Math. Vol.13 (26), No. 2, 133-140 (2017).
MSC: 01A70.
Zbl 1424.01022 MathSciNet doi WorldCat Google
http://www.anubih.ba/Journals/vol.13,no-2,y17/01%20-%Obituary%20Academic%20 Fikret %20Vajzovic%201928-2017.pdf

7. **M.Vuković,** *Marc Krasner* (Odessa 1912 – Paris 1985), Professor and Professor Emeritus, UPMC (formarly University "*Pierre et Marie Curie*") – *Photos and Scientific Portrait of Marc Krasner by Wisenportal*, 2014, Sarajevo, J. of Math. Suppl. – Vol. 12 (25), No. 2 (2016), p. 281-282.
Zbl 1011.01513 MathSciNet doi Google
http://www.anubih.ba/Journals/vol.12,no-3,y16/01Krasner-photos.pdf

6. **M.Vuković,** *Remembering Professor Marc Krasner*, Sarajevo, J. of Math. Suppl. – *Dedicated to the Memory of Marc Krasner*, Vol. 12 (25), No. 2, 283-298 (2016).
MSC: 0A70
Zbl 1424.01021 MathSciNet doi Google
http://www.anubih.ba/Journals/vol.12,no-/3,y16/02Krasner-uvodni-corr.pdf

5. **M.Vuković** (& F. Vajzović), *Remembering Academician Mahmut Bajraktarević*, Sarajevo, J. Math. Vol. 12 (25), No. 2, 143-150 (2016).
MSC: 0A70
Zbl 1424.01023 MathSciNet doi Google
http://www.anubih.ba/Journals/vol.12,no-2,y16/03Bajraktarevic.pdf

4. **M.Vuković** (& F.Vajzović), *Academician Veselin Perić* (1930-2009)– Obituary, Sarajevo J. Math. Vol. 6 (18), No. 1, 137-143 (2010).
MSC: 01A70.
Zbl 1195.01089 MathSciNet doi Google
http://www.anubih.ba/Journals/vol.6,no-1,y10/14Peric.pdf

3. **M.Vuković,** *Happy* 80*th Birthday Professor Vajzović*, J. of Math. Vol. 4 (16), No. 1. 3-5 (2008).
Zbl MathSciNet doi Google
http://www.anubih.ba/Journals/vol-4,no-1,y08/03rodjendanFV.pdf

2. **M.Vuković (**& Fikret Vajzović), *Prof. Dr Semiha Šlaković* 1929-2002, *Obituary*, Rad. Mat. 11, No. 2 (2003), 295-299.
MSC: 0A70.
Zbl 1079. 01530 MathSciNet Google doi

1. **M.Vuković,** *Acadmician Manojlo Maravić* (1919-2000), Rad. Mat. 10, No. 1, 121-129 (2001).
Zbl 1011.01513 MathSciNet Google doi
http://www.ffuis.edu.ba/media/uploads/matematika/znacajni_matematicari/mmaravic.pdf

BOOKS

12. **M.Vuković, V.Govedarica:** ***Grupe geometrijskih preslikavanja,*** Univerzitet u Istočnom Sarajevu, Beograd, pp. (u štampi), 2024.
11. **M.Vuković:** ***Mathematicians – academicians*** (M.Bajraktarević, M.Maravić, B.Martić, F.Vajzović, V.Perić), ANUBiH – Posebna izdanja, Knj. CCVII, Odjeljenje prirodnih i matematičkih nauka, Knj. 28, pp.150 (2023). [**ISBN 978-99976-778-4-**]
10. **V. Perić, M.Vuković:** **Algebra –*Theory of Groups*** (*Review of the Theory and Problems with Solutions*) University of East Sarajevo, Trebinje, pp. 6 + 365 (2021). [**ISBN 978-9926-410-86-5**]
9. **M.Vuković:** ***To Academician Veselin Perić on the occasion of* 80 *years of his life***, *Faculty* of Philosophy, University in East Sarajevo, Sarajevo, pp. 1-98, (2012). **[ISBN 978-99938-47-38-0], [COBISS. BH-ID 2566424].**
8. **M.Vuković and other** *Homage to Academician Veselin Perić,* Homages Book VIII, Department of Natural, Mathematical and Technical Sciences, Book 15, ANURS, Banja Luka, pp. 1- 611 (2011). **[ISBN-978-99938-21-29-8], [COBISS. BH-ID 1973016]**.
7. **M.Vuković:** ***Structures graduées et paragraduées,*** *Prepublications de l'Institut Fourier*, Université de Grenoble (CNRS), No. 53, 1-40 (2001) (electronic journal with **cc=**) ; **OCLC No. 645 22 8786** **https://www-fourier.univ-grenoble-alpes.fr/sites/default/files/ref_536.pdf**
6. **M.Vuković:** ***Theory of Groups and their Representations with Applications in Physics*** (*in Serbian*), Sarajevo Publishing and Faculty of Natural Sciences and Mathematics, 384 (2003). **[ISBN-9958-21-167-X].**
5. **M.Vuković:** ***Differential Equations,* Part 2** (*Partial Differential Equations and Equations of Mathematical Physics*), (Theory and Problems with Solutions), Sarajevo, 250 (2002). **[ISBN-9958-44-060-1].**
4. **M.Vuković:** ***Differential Equations,* Part 1** (*Ordinary Differential Equations and Systems of Differential Equations*), (Theory and Problems with Solutions), Sarajevo, 534 (2000)**. [ISBN-9958-44-060-1].**
3. **M.Krasner, M.Vuković:** ***Paragraded Structures*** (*Groups, Rings, Modules*) (*Research Monograph*) (*in French*), Queen's Papers in Pure and Applied Mathematics, Queen's University, Kingston, Canada, ON, 163 (1987). **Editor:** Queen's University, Kingston, ONT, Canada **OCLC No. 3610 4230; OL 625 989M; ISBN: QPPAM 77.**
2. **M.Vuković and other:** ***Problems and Solutions from Republic Mathematics Competitions and Qualifications Examens,*** Svjetlost, Sarajevo, p. 173 (1985).
1. **M.Vuković:** ***Problems and Solutions in Theory of Functions of one Complex Variable***, Svjetlost, Sarajevo, p. 272 (1975).

TEXTBOOKS

3. **M.Vuković:** ***History of paragraded structures*** (*mimeographed text for postgraded* student), Department of Mathematics, University of Sarajevo, (2010).
2. **M.Vuković:** ***Algebra – Theory of Rings, Fields, and Theory of Galois*** **(***Review Theory with Solutions***)** (mimeographed notes), (prepared for publications)
1. **M.Vuković:** ***Complex Analysis,*** PMF, Sarajevo (mimeographed notes), (prepared for publication)

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11.	**M.Vuković**	**2024: Vol. 20 (33), No. 1;**			
10.		**2023: Vol. 19 (32), No. 1;**	**Vol. 19 (32), No. 2;**		
8.		**2022: Vol. 18 (31), No. 1;**	**Vol. 18 (31), No. 2;**		
8.		**2021: Vol. 17 (30), No. 1;**	**Vol. 17 (30), No. 2;**		
7.		**2020: Vol. 16 (29), No. 1;**	**Vol. 16 (29), No. 2;**		
6.		**2019: Vol. 15 (28), No. 1;**	**Vol. 15 (28), No. 2;**		
5.	**M.Vuković**	**2018: Vol. 14 (27), No. 1;**	**Vol. 14 (27), No. 2;**		
4.	(M. Džamonja)	**2017: Vol. 13 (26), No. 1;**	**Vol. 13 (26), No. 2;**		
3.	**M.Vuković**	**2016: Vol. 12 (25), No. 1;**	**Vol. 12 (25), No. 2 ;**	**and**	
2.	(H. Miller)	**Vol. 12 (25), Supplement;**			
1.		**2015: Vol. 11 (24), No. 1;**	**Vol. 11 (24), No. 2;**		



On behalf of ANUBiH, I have organized two international scientific conferences with great success. First conference "***Graded structures in Algebra and Their Applications"*** was organized in scientific collaboration with the *Joseph Fourier Institute* of the University in Grenoble (France) and the *Faculty of Natural and Mathematic Sciences* of the University in Maribor (Slovenia), at the International University Centre (IUC), Dubrovnik (**22-24 September, 2016**). The conference was dedicated to *Marc Krasner* – a great French Mathematician who was a professor and professor emeritus of the "*Pierre et Marie Curie*" University in Paris, "*Officier des Palmes Académiques*" and the first laureate for the "*Doisteau-Blutet*" prize of the French Academy of Sciences – with whom I collaborated for many years. Papers presented at the Conference were published in *"Sarajevo Journal of Mathematics"*, 2017: Vol. 12 (25), Suppl.

The second international conference was titled ***"Modern Algebra and Analysis and Their Applications",*** *held in* Sarajevo, **20-22 September, 2018** Papers presented at the Conference were published in *"Sarajevo Journal of Mathematics"*, 2019: Vol. 15 (28), No. 1.

Thematically, the first of the two mentioned conferences was dedicated to the *Bourbaki-Krasner's graded structures* – first introduced by the N. Bourbaki, and whose final definition was given by *M. Krasner* – and the *Krasner-Vuković paragraded structures* which emerged as the natural generalization of the former structures, through the works of M. Krasner and M.Vuković.

OTHER PAPERS

13. **M.Vuković,** *The Bologna Process Implementation at Universities in Bosnia - Herzegovina*, 5th Bosnia and Herzegovina Seminar at 29 June 2007 Tcukuba University, Tcukuba, Japan. **http://math-info.criced.tsukuba.ac.jp/bih/20070629/** **http://math-info.criced.tsukuba.ac.jp/bih/20070629/mirjanaV.pdf**
12. **M.Vuković,** *Vera* (*Popović*) *Šnajder* (1904-1976), The Contribution of Serbs in BiH to Science and Culture (Special Edition – Scientific Gatherings), Faculty of Philosophy, **Pale, University East Sarajevo, Book 1, 537 – 541, (2007).** http://www.ffuis.edu.ba/media/uploads/matematika/znacajni_matematicari/vsnajder.pdf http://www.ffuis.edu.ba/media/uploads/matematika/znacajni_matematicari/vsnajder-engl.pdf
11. **M.Vuković**, V.Perić, F.Vajzović, *Manojlo Maravić* (1919-2000), The Contribution of Serbs in BiH to Science and Culture (in Serbian) (Special Edition –Scientific Gathe-rings), Faculty of Philosophy, Pale, University East Sarajevo, Book 1, 505-515 (2007).
10. **M.Vuković,** *Watch of Serbian Monk Lazar – the Forennuner Kremlin Kurents* (*in Serbi- an: Sat srpskog monaha Lazara – preteča Kremljovskih kurenata*), Zbornik radova s naučnog skupa, Filozofski fakultet Pale, 22-23. Maj 2010 (posebna izdanja) Knj. 5, T. 3, Prirodno-matematičke nauke, 113-120 (2011). **doi: 10.13140/RG.2.2.14480.61444**
9. **M.Vuković**, *Mahmut Bajraktarević, Memorial* 60 *years of the Academy of Sciences and Arts of BiH* (In Bosnian: *Spomenica 60 godina ANUBiH*), 1951-2011, ANUBiH, Sarajevo, 124-125. **UDK: 061.12 (091) – Akademije: povijest**
8. **M.Vuković**, *Manojlo Maravić, Memorial* 60 *years of the Academy of Sciences and Arts of BiH* (In Bosnian: *Spomenica 60 godina ANUBiH*), 1951-2011, ANUBiH, Sarajevo, 232-233. **UDK: 061.12(091) – Akademije: povijest**
7. **M.Vuković**, *Branislav Martić, Memorial* 60 *years of the Academy of Sciences and Arts of BiH* (In Bosnian: *Spomenica 60 godina ANUBiH*), 1951-2011, ANUBiH, Sarajevo, 396-397. **UDK: 061.12(091) – Akademije: povijest**
6. **M.Vuković**, *Veselin Perić, Memorial* 60 *years of the Academy of Sciences and Arts of BiH* (In Bosnian: *Spomenica 60 godina ANUBiH*), 1951-2011, ANUBiH, Sarajevo, 408-409. **UDK: 061.12(091) – Akademije: povijest**
5. **M.Vuković**, *Vera Šnajder – The First Woman Mathematician in Bosnia and Herzegovina – Bosnian Maria Curie,* Proceedings of Scientific Conference Bosnian-Herzegovinian Women Scientists and Their Research Work (in Serbian), Mostar 13-14. April 2018. – Mostar, Federal Ministry of Education and Science (FMON), Tom 2, 431-439 (2019).
4. **M.Vuković**, *Akademik Fikret Vajzović, professor emeritus* (*In memoriam*), Naša Škola, LXIII Br. 81 (251), Sarajevo, *i – iv* (2017).
3. **M.Vuković**, *From the Belgrade School of Mihajlo Petrović Alas to the Sarajevo School of Analysis* (in Serbian), Scientific Meetings Serbian Academy of Science and Arts, on October 2-3, 2018, Book CLXXXII, Presidency Book 12, *Mihajlo Petrović Alas*, p.161-172 (2019). **https://dais.sanu.ac.rs/bitstream/handle/123456789/9392/rad11.pdf?sequence=1&isAllowed=y**
2. **M.Vuković**, *Sto godina od rođenja i dvadeset godina od smrti akademika Manojla Maravića,* "Naša škola" LXVI, 262 (92), Sarajevo, 5-11 (2020)**.**
1. **M.Vuković**, 100 *godina od rođenja akademika Manojla Maravića,* Godišnjak Matice Drežničke, Časopis za nauku, kulturu, književnost i umetnost (*Posvećen* 75*. godišnjici pobede nad fašizmom*), 14, Bajmok,75-90 (2020). (ISSN 1820-631X).

---

8. **M.Vuković, *Évariste Galois – the most original among mathematicans*, Naša škola, LIV (43), Sarajevo, 2008, p. 131-146.**
7. **M.Vuković, *Jules Henri Poincaré – the last universal mathematicians,*** B-H radio: **„***World of Science"*, Mathematical Greats**, (**Editor: **Koviljka Kurzenberg, 18.03.2005.)**

6. **M.Vuković, *Évariste Galois*, *the most original among mathematicans***, B-H radio: „*World of Science"*, Mathematical Greats (Editor Koviljka Kurzenberg, 10.03.2005.)
5. **M.Vuković, *Amalie Emmy Noether***, B-H radio: „*World of Science"*, Mathematical Greats (Editor: Koraljka Kurzenberg, 25.02.2005.)
4. **M.Vuković, *Sofia Korvin-Kovalevskaja*** – *the queen of PDE*, B-H radio: „*World of Science"*, Mathematical Greats (Editor: Koviljka Kurzenberg, 17.02.2005.)
3. **M.Vuković, *Arhimed from Sirakuza***, B-H radio: „*World of Science"*, Mathematical Greats (Editor: Koraljka Kurzenberg, 13.01.2005.)
2. **M.Vuković, *Euclid of Alexandria***, B-H radio: *„World of Science"*, Mathematical Greats Editor: Koraljka Kurzenberg, 06.01.2005.)
1. **M.Vuković, *Pitagora from Samos***, B-H radio: *„World of Science"*, Mathematical Greats, (Editor: Koraljka Kurzenberg, 26.12.2004.)