Publikacje Instytutu Matematyki rok 2016 - Journal Citation Reports

1. P. Barbarski, J. Andres, Randomized Sharkovsky-type results and random subharmonic solutions of differential inclusions, Proceedings of the American Mathematical Society, 144(5) (2016), 1971-1983. (25 pkt.).
2. R. Filipów, M. Pawłowicz, G. Krzykowski, A. Stanisławska-Sachadyn, L. Morzuch, J. Kulczycka, A. Balcerska, J. Limon, Coincidence of PTPN22 c.1858CC and FCRL3 - 169CC genotypes as a biomarker of preserved residual β-cell function in children with type 1 diabetes, Pediatric Diabetes 2016 (DOI: http://dx.doi.org/10.1111/pedi.12429) (30 pkt.).
3. G. Gromadzki, On periodic self-homeomorphisms of closed orientable surfaces determined by their orders. Collect. Math. 67 (3), (2016), 415-429 (wsp C. Bagiński, M. Carvacho, R. Hidalgo) (25 pkt.)
4. G. Gromadzki, E. Kozłowska-Walania, On dimensions of the real nerve of the moduli space of Riemann surfaces of odd genus, Rend. Semin. Mat. Univ. Padova 135 (2016), 91-109. (15 pkt)
5. G. Gromadzki, B. Szepietowski, On classification of cyclic orientation-reversing actions of big order on closed surfaces, Journal of Pure and Applied Algebra, 220 (2016), 465-481 (współautor X. Zhao) (25 pkt)
6. G. Gromadzki, B. Szepietowski, On topological type of periodic self-homeomorphis of closed non-orientable surfaces, Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales. Serie A, Matematicas 110 (2016), 465-481 (25 pkt)
7. J. Gulgowski, Dariusz Bugajewski, Piotr Kasprzak, On integral operators and nonlinear integral equations in the spaces of functions of bounded variation, Journal of Mathematical Analysis and Applications, Volume 444, Issue 1, Pages 230-250 (1 December 2016). (35 pkt.).
8. M. Hałenda, Complex Hantzsche-Wendt manifolds, Geom. Dedicata 2016 doi. 10.1007./s10711-016-0187-8. (20 pkt.).
9. M. Jabłonowski. On a banded link presentation of knotted surfaces. Journal of Knot Theory and its Ramifications. - 2016, Vol. 25, iss. 3, art. no. 1640004, s. 1-11
   p-ISSN: 0218-2165, e-ISSN: 1793-6527, DOI: 10.1142/S0218216516400046. (20 pkt.)
10. P. Klinga, Axial permutations of ω^2." Colloq. Math. 142 (2016), no. 2, 267-273. (15 pkt.).
11. E. Kozłowska-Walania, On a certain family of asymmetric Riemann surfaces with the cyclic automorphism group (wspólna z E. Tyszkowską), Kodai Math. Journal, 39 (3) (2016), 510-520. (15pkt).
12. K. Kropielnicka, Gwiazda, Piotr, Marciniak-Czochra, Anna The escalator boxcar train method for a system of age-structured equations. Netw. Heterog. Media 11 (2016), no. 1, 123–143. (20 pkt.)
13. K. Kropielnicka, Philipp Bader, Arieh Iserles; Karolina; Pranav Singh Efficient methods for linear Schrödinger equation in the semiclassical regime with time-dependent potential. Proceedings of the Royal Society of London A: Mathematical, Physical and Engineering Sciences (2016) 20150733. (35 pkt.)
14. A. Kwela, Additivity of the ideal of microscopic sets, Topology and its Applications 204 (2016), 51—62. (20 pkt.).
15. A. Kwela, K. Czudek, N. Mrożek, W. Wołoszyn, Ideal-like properties of generalized microscopic sets, Acta Mathematica Hungarica 150 (2016), 269—285. (15 pkt.).
16. A. Kwela, J. Tryba, Homogeneous ideals on countable sets, Acta Mathematica Hungarica, DOI: 10.1007/s10474-016-0669-z (15 pkt.).

17. A. Kwela, M. Staniszewski, Ideal equal Baire classes, Journal of Mathematical Analysis and Applications, DOI: 10.1016/j.jmaa.2016.11.062 (35 pkt.).
18. H. Leszczyński, Lachowicz, Mirosław, Parisot, Martin A simple kinetic equation of swarm formation: blow-up and global existence. Appl. Math. Lett. 57 (2016), 104–107. (35 pkt.
19. H. Leszczyński, M. Matusik, Method of lines for parabolic functional differential equations on cylindrical domains. Calcolo 53 (2016), no. 1, 67–82. MNiSzW 40.
20. H. Leszczyński, A. Bartłomiejczyk, Structured populations with diffusion and Feller conditions. Math. Biosci. Eng. 13 (2016), no. 2, 261–279. MNiSzW 20.
21. M. Matusik, P. Rybka, Oscillating facets. Port. Math. 73 (2016), no. 1, 1–40.(15 pkt.).
22. T. Natkaniec, P. Szuca, On the ideal convergence of sequences of quasi-continuous functions, Fundamenta Mathematicae, 232(3) (2016), 269-280 (20 pkt.).
23. T. Natkaniec, A. Bartoszewicz, M. Bienias, S. Głąb, Algebraic structures in the sets of surjective functions, Journal of Mathematical Analysis and Applications 441(2) (2016), 574-585 (35 pkt.).
24. T. Natkaniec, P. Szuca, On the discrete ideal convergence of sequences of quasi-continuous functions, Acta Mathematica Hungarica, Online First Articles, (2016). (DOI: 10.1007/s10474-016-0673-3) (15 pkt.).
25. A. Nowik, On "ternary" density points in Cantor space. Topology Appl. 209 (2016), 14-21. (Marta Frankowska,) (20 pkt.).
26. J. H. Przytycki. Knots and graphs: two centuries of interaction. W: Knot theory and its applications : ICTS program on Knot theory and its applications, December 10-20, 2013, IISER, Mohali, India / Krishnendu Gongopadhyay, Rama Mishra eds. ISBN: 978-1-4704-2257-8, DOI: 10.1090/conm/670/13449 (15 pkt.).
27. J. H. Przytycki. On Slavik Jablan's work on 4-moves. Journal of Knot Theory and its Ramifications. - 2016, Vol. 25, iss. 9, art. no. 1641014, s. 1-26
p-ISSN: 0218-2165 ,e-ISSN: 1793-6527, DOI: 10.1142/S0218216516410145. (20 pkt.).
28. J. Przytycki, Ioannis Diamantis, Sofia Lambropoulou, Topological steps toward the Homflypt skein module of the lens spaces L(p, 1) via braids. Journal of Knot Theory and its Ramifications. - 2016, Vol. 25, iss. 9, art. no. 1650084, s. 1-26
p-ISSN: 0218-2165, e-ISSN: 1793-6527, DOI: 10.1142/S021821651650084X. (20 pkt.).
29. I. Pykacz O. Nanasiova „Modelling of uncertainty and bi-variable maps" Journal of Electrical Engineering, 67 169-176 (2016). (15 pkt.).
30. W. Rosicki, R. Komendarczyk, S. Kwasik,. On the Borsuk conjecture concerning homotopy domination. Journal of Homotopy and Related Structures. - 2016, online first p-ISSN: 2193-8407, DOI: 10.1007/s40062-015-0125-8. (15 pkt.).
31. M. Stukow Subgroups of the Torelli group generated by two symmetric bounding pair maps, Kodai Mathematical Journal 39 (3) (2016), 530-534 (15 pkt.).
32. M. Stukow The hyperelliptic mapping class group of a nonorientable surface of genus g>=4 has a faithful representation into GL(g^2-1,R), Comptes Rendus Mathematique 354 (10) (2016), 1029-1031 (20 pkt.).
33. M. Stukow A finite presentation for the twist subgroup of the mapping class group of a nonorientable surface, Bulletin of the Korean Mathematical Society 53 (2), (2016), 601-614, (15 pkt.).
34. Z. Szafraniec, J.Bobowik, Counting signed swallowtails of polynomial selfmaps of R^3. Manuscripta Math. 151 (2016), 201-221. (20 pkt.).

35. T. Szarek, Hille, Sander; Horbacz, Katarzyna Wojewódka, Hanna Limit theorems for some Markov chains. J. Math. Anal. Appl. 385–408. (35 pkt.).
36. T. Szarek, Zdunik, Anna Stability of iterated function systems on the circle. Bull. Lond. Math. Soc. 48 (2016), no. 2, 365–378. (25 pkt.).
37. T. Szarek, Hille, Sander, Horbacz, Katarzyna; Wojewódka, Hanna Law of the iterated logarithm for some Markov operators. Asymptot. Anal. 97 (2016), no. 1-2, 91–112. (15 pkt.).
38. T. Szarek, Brandao, Fernando G. S. L, Ramanathan, Ravishankar; Grudka, Andrzej; et al. Realistic noise-tolerant randomness amplification using finite number of devices, NATURE COMMUNICATIONS Volume: 7 Article Number: 11345 Published: APR 2016. (45 pkt.).
39. A. Szczepanski, J. Popko, Cohomological rigidity of oriented A. Hantzsche-Wendt manifolds, Advances in Math., 302 (2016), 1044 - 1068 (40 pkt.).
40. A. Szczepanski, Gasior, N. Petrosyan, Spin structures on almost-flat manifolds, Algebr. Geom. Topol., 16 No. 2 (2016), 783-796 (20 pkt.).
41. B. Wolnik, M. Dembowski, W. Bołt, Jan M. Baetens, Bernard De Baets, The density classification problem in the context of Continuous Cellular Automata, W: Cellular Automata : 12th international conference on Cellular Automata for research and industry, ACRI 2016 Fez, Morocco, September 5-8, 2016 : proceedings, Switzerland , Springer, cop. 2016, seria Lecture Notes in Computer Science, 0302-9743, vol. 9863. (15 pkt.).
42. A. Zastrow O. Bogopolski, An uncountable homology group, where each element is an infinite product of commutators",Topology and its Applications, Topology Appl. 197 (2016), 167-180 (20 pkt.).
43. A. Zastrow, Fischer Hanspeter, Word calculus in the fundamental group of the Menger curve, Fund. Math. 235 (2016), no. 3, 199-226 (20 pkt.).

Publikacje Instytutu Matematyki 2016 – bez wpółczynnika wpływu IF

1. A. Augustynowicz T. Człapiński, Iterative methods for the Darboux problem for partial differential equations with generalized Volterra condition, Zeszyt Wydziału MFI, Wydawnictwo UG, wydanie specjalne, Rok Matematyki na Pomorzu, 2016. (5 pkt.).
2. E. Mrożek, Introducing additive compare problems - traditional vs. constructivist approach, Didactica Mathematicae, 38 (2015) - praca nie została ujęta w sprawozdaniu za rok ubiegły. (10 pkt).
3. N. Mrożek, „Some Applications of the Katĕtov Order on Borel Ideals", Bulletin of the Polish Academy of Sciences. Mathematics, 64 (2016) , 21-28 (13 pkt.).
4. A. Nowel, Metody liczenia niezmienników odwzorowań wielomianowych, Zeszyt Wydziału MFI, Wydawnictwo UG, wydanie specjalne, Rom Matematyki na Pomorzu, 2016, str. 85-113. (4 pkt)
5. A. Nowik, Marczewski-Burstin representations vs. Bernstein and Dense subsets", Demonstratio Mathematica, 49(4) 2016, 372-378. (11 pkt.).
6. E. Tyszkowska, On triangular (Dn) actions on cyclic p-gonal Riemann surfaces, Opuscula Math. 36, no. 1 (2016), 103–122, (11 pkt)
7. B. Wolnik, Witold Bołt, Jan M. Baetens, Bernard De Baets, On the identification of α-asynchronous cellular automata in the case of partial observations with spatially separated gaps,W: Challenging problems and solutions in

intelligent systems, Switzerland , Springer, 2016, seria Studies in Computational Intelligence, 1860-949X, vol. 634. (5 pkt.).

Monografia lub rozdział w monografii – Instytut Matematyki 2016 r.

1. G. Gromadzki, Automorphism groups of compact non-orientable Riemann surfaces. Groups St Andrews 2013, 183-193, London Math. Soc. Lecture Note Ser. 422 Cambridge Univ. Press, Cambridge, 2015 (wsp. E. Bujalance, J. Cirre, J. Etayo, E. Martinez) - nie ujęte w zeszłorocznym sprawozdaniu (rozdział w monografii).

Publikacje Instytutu Matematyki 2016 – pozostałe niepunktowane

1. A. Augustynowicz, A. Gołaszewska, On the Peano Theorem for some functional differential equation on time scale,Funct. Diff. Equations, vol. 21, No 3-4, pp 111-118 (2016).
2. A. Demby, Czy bycia nauczycielem matematyki można się nauczyć? Refleksje. Zachodniopomorski Dwumiesięcznik Oświatowy, Nr 3/2016, s.8-13 (niepunktowane)
3. G. Gromadzki, On real forms of a Belyi action of the alternating groups, Albanian J. Math 10 (1), (2016) 3-10 (wsp. C. Bagiński, J.J. Etayo, E. Martinez)
4. A. Karpowicz, Viscosity solutions of elliptic differential functional equations, Functional Differential Equations, 2016, Vol. 23, no. 1-2, s. 11-47.
5. A. Nowel, Efektywne metody liczenia niezmienników rzeczywistych odwzorowań wielomianowych, Zeszyty naukowe Wydz. MFiI, Wyd. UG (2016).
6. J. H. Przytycki. q-polynomial invariant of rooted trees. Arnold Mathematical Journal. - 2016, Vol. 2, iss. 4, s. 449-461 p-ISSN: 2199-6792, e-ISSN: 2199-6806, DOI: 10.1007/s40598-016-0053-7
7. J.H. Przytycki, Krzysztof K. Putyra. The degenerate distributive complex is degenerate. European Journal of Mathematics. - 2016, online first p-ISSN: 2199-675X, e-ISSN: 2199-6768 , DOI: 10.1007/s40879-016-0116-2
8. T. Szarek, Sander Hille; Katarzyna Horbacz; Existence of a unique invariant measure for a class of equicontinuous Markov operators with application to a stochastic model for an autoregulated gene, Annales math*é*matiques Blaise Pascal, 23 no. 2 (2016), p. 171-217, doi: 10.5802/ambp.360 (brak na liście)
9. P. Zarzycki, The Association of Friends of Cuisenaire Rods, Mathematics Teaching, no. 253, str. 20-21, 2016