

Publikációk

- [1] G. Petruska és M. Laczkovich, A theorem on approximately continuous functions, *Acta Math. Acad. Sci. Hungar.* **24** (1973), 383-387.
- [2] G. Petruska és M. Laczkovich, Baire 1 functions, approximately continuous functions and derivatives, *Acta Math. Acad. Sci. Hungar.* **25** (1974), 189-212.
- [3] M. Laczkovich, On the Baire class of the upper derivatives, *Analysis Math.* **1** (1975), 115-120.
- [4] M. Laczkovich, Separation properties of some subclasses of Baire 1 functions, *Acta Math. Acad. Sci. Hungar.* **26** (1975), 405-412.
- [5] Á. Császár és M. Laczkovich, Discrete and equal convergence, *Studia Sci. Math. Hungar.* **10** (1975), 463-472.
- [6] M. Laczkovich, Separation of sets by derivatives, *Acta Math. Acad. Sci. Hungar.* **27** (1976), 201-217.
- [7] M. Laczkovich, Separation of sets by bounded derivatives, *Periodica Math. Hungar.* **7** (1976), 169-177.
- [8] M. Laczkovich, On the Baire class of selective derivatives, *Acta Math. Acad. Sci. Hungar.* **29** (1977), 99-105.
- [9] M. Laczkovich, On the limit superior of sequences of sets, *Analysis Math.* **3** (1977), 199-206.
- [10] M. Laczkovich, Solvability and consistency for infinite systems of linear inequalities, *Periodica Math. Hungar.* **9** (1978), 63-70.
- [11] Zs. Jakab és M. Laczkovich, A characterization of Jordan and Lebesgue measures, *Colloq. Math.* **40** (1978), 39-52.
- [12] M. Laczkovich és G. Petruska, On the transformers of derivatives, *Fund. Math.* **100** (1978), 179-199.
- [13] J. Gerlits és M. Laczkovich, On barely continuous and Baire 1 functions. *Colloq. Math. Soc. J. Bolyai* 23. Topology (Budapest, 1978), 493-499.
- [14] M. Laczkovich, On the absolute Peano derivatives, *Annales Univ. Sci. Budapest R. Eötvös Nom.* **21** (1978), 83-97.
- [15] M. Laczkovich és G. Petruska, Differentiable functions have sparse graphs, *Real Analysis Exch.* **4** (1) (1978-79), 91-96.
- [16] Á. Császár és M. Laczkovich, Some remarks on discrete Baire classes, *Acta Math. Acad. Sci. Hungar.* **33** (1979), 51-70.
- [17] M. Laczkovich, A note on approximately continuous and a.e. continuous functions, *Acta Math. Acad. Sci. Hungar.* **33** (1979), 403-405.

- [18] J. Ceder, M. Laczkovich és G. Petruska, On a problem about Darboux points, *Acta Math. Acad. Sci. Hungar.* **34** (1979), 279-286.
- [19] M. Laczkovich, Functions with measurable differences, *Acta Math. Acad. Sci. Hungar.* **35** (1980), 217-235.
- [20] M. Laczkovich, On the measurability of functions whose sections are derivatives, *Periodica Math. Hungar.* **12** (1981), 243-254.
- [21] M. Laczkovich és G. Petruska, Remarks on a problem of A.M. Bruckner, *Acta Math. Acad. Sci. Hungar.* **38** (1981), 205-214.
- [22] M. Laczkovich, Derivations on differentiable functions, *Real Analysis Exch.* **7** (2) (1981-82), 239-254.
- [23] M. Laczkovich, On additive and strongly derivable interval functions, *Acta Math. Acad. Sci. Hungar.* **39** (1982), 255-265.
- [24] V. Aversa és M. Laczkovich, Extension theorems on derivatives of additive interval functions, *Acta Math. Acad. Sci. Hungar.* **39** (1982), 267-277.
- [25] M. Laczkovich és G. Petruska, Averaging processes on function classes, *Acta Math. Acad. Sci. Hungar.* **39** (1982), 279-287.
- [26] M. Laczkovich, Continuity and derivability of additive interval functions, *Acta Math. Acad. Sci. Hungar.* **39** (1982), 393-400.
- [27] M. Laczkovich és G. Petruska, Sectionwise properties and measurability of functions of two variables, *Acta Math. Acad. Sci. Hungar.* **40** (1982), 169-178.
- [28] M. Laczkovich, Néhány megjegyzés Faber szinguláris függvényéről, *Matematikai Lapok* **30** (1979-1982), 69-79.
- [29] M. Laczkovich, A generalization of Kemperman's functional inequality $2f(x) \leq f(x+h) + f(x+2h)$. *General inequalities 3* Oberwolfach, 1981 (Proceedings, edited by E.F. Beckenbach; Birkhäuser, 1983), 281-293.
- [30] M. Laczkovich, Baire 1 functions. *Real Analysis Exch.* **9** (1) (1983-84), 15-28. (In: Proceedings of the sixth summer symposium on real analysis, University of Waterloo, 1983.)
- [31] M. Laczkovich, On the difference property of the class of pointwise discontinuous functions and of some related classes, *Canad. J. Math.* **36** (1984), 756-768.
- [32] M. Laczkovich és G. Petruska, Whitney sets and sets of constancy (on a problem of Whitney), *Real Analysis Exch.* **10** (2) (1984-85), 313-323.
- [33] M. Laczkovich, Differentiable restrictions of continuous functions, *Acta Math. Hungar.* **44** (1984), 355-360.
- [34] M. Laczkovich, On Kemperman's inequality $2f(x) \leq f(x+h) + f(x+2h)$, *Colloq. Math.* **49** (1984), 109-115.
- [35] S. Agronsky, A.M. Bruckner, M. Laczkovich és D. Preiss, Convexity conditions and intersections with smooth functions, *Trans. Amer. Math. Soc.* **289** (1985), 659-677.
- [36] P. Humke és M. Laczkovich, Typical continuous functions are virtually nonmonotone, *Proc. Amer. Math. Soc.* **94** (1985), 244-248.
- [37] M. Laczkovich és D. Preiss, α -Variation és transformation into C^n functions, *Indiana Univ. Math. J.* **34** (1985), 405-424.
- [38] V. Aversa, M. Laczkovich és D. Preiss, Extension of differentiable functions, *Comm. Math. Univ. Carolinae* **26** (1985), 597-609.

- [39] M. Laczkovich, Non-negative measurable solutions of difference equations, *J. London Math. Soc.* (2) **34** (1986), 139-147.
- [40] A.M. Bruckner, M. Laczkovich, G. Petruska és B.S. Thomson, Porosity and approximate derivatives, *Canad. J. Math.* **38** (1986), 1149-1180.
- [41] M. Laczkovich és I. Pokorný, Selective and bi-selective derivatives, *Acta Math. Hung.* **49** (1987), 433-439.
- [42] M. Laczkovich, D. Preiss és C. Weil, On unilateral and bilateral n th Peano derivatives, *Proc. Amer. Math. Soc.* **99** (1987), 129-134.
- [43] M. Laczkovich, A Baire two function with non-Borel upper symmetric derivative, *Real Analysis Exch.* **13** (1) (1987-88), 258-264.
- [44] M. Laczkovich, Von Neumann's paradox with translations, *Fund. Math.* **131** (1988), 1-12.
- [45] M. Laczkovich, Closed sets without measurable matching, *Proc. Amer. Math. Soc.* **103** (1988), 894-896.
- [46] M. Laczkovich és Sz. Révész, Periodic decompositions of continuous functions, *Acta Math. Hungar.* **54** (1989), 329-341.
- [47] P.D. Humke és M. Laczkovich, Monotonicity theorems for generalized Riemann derivatives, *Rend. Circ. Mat. Palermo* **38** (1989), 437-454.
- [48] P.D. Humke és M. Laczkovich, The Borel structure of iterates of continuous functions, *Proc. Edinburgh Math. Soc.* **32** (1989), 483-494.
- [49] S.J. Agronsky, A.M. Bruckner és M. Laczkovich, Dynamics of typical continuous functions, *J. London Math. Soc.* (2) **40** (1989), 227-243.
- [50] J.B. Brown, P. Humke és M. Laczkovich, Measurable Darboux functions, *Proc. Amer. Math. Soc.* **102** (1988), 603-610. Erratum: *ibid.* **107** (1989), 1147.
- [51] P.D. Humke és M. Laczkovich, Convexity theorems for generalized Riemann derivatives, *Real Analysis Exch.* **15** (2) (1989-90), 652-674.
- [52] P.D. Humke és M. Laczkovich, A historical note on the measurability properties of symmetrically continuous and symmetrically differentiable functions, *Real Analysis Exch.* **15** (2) (1989-90), 768-771.
- [53] M. Laczkovich, Equidecomposability and discrepancy; a solution of Tarski's circle-squaring problem, *J. reine und angew. Math.* (Crelle's J.) **404** (1990), 77-117.
- [54] Á. Császár és M. Laczkovich, Discrete and equal Baire classes, *Acta Math. Hungar.* **55** (1990), 165-178.
- [55] P.D. Humke és M. Laczkovich, Approximations of continuous functions by squares, *Ergodic Theory and Dynamical Systems* **10** (1990), 361-366.
- [56] M. Laczkovich és Sz. Révész, Decompositions into periodic functions belonging to a given Banach space, *Acta Math. Hungar.* **55** (1990), 353-363.
- [57] Z. Buczolich és M. Laczkovich, Concentrated Borel measures, *Acta Math. Hungar.* **57** (1991), 349-362.
- [58] L. Fehér, M. Laczkovich és G. Tardos, Croftian sequences, *Acta Math. Hungar.* **56** (1990), 353-359.
- [59] M. Laczkovich, Tilings of polygons with similar triangles, *Combinatorica* **10** (1990), 281-306.

- [60] R.J. Gardner és M. Laczkovich, The Banach-Tarski theorem on polygons and the cancellation law, *Proc. Amer. Math. Soc.* **109** (1990), 1097-1102.
- [61] M. Laczkovich, Invariant signed measures and the cancellation law, *Proc. Amer. Math. Soc.* **111** (1991), 421-431.
- [62] M. Laczkovich és R. Redheffer, Oscillating solutions of integral equations and linear recursions, *Aequationes Math.* **41** (1991), 13-32.
- [63] M. Laczkovich, Uniformly spread discrete sets in \mathbf{R}^d , *J. London Math. Soc.* **46** (1992), 39-57.
- [64] M. Laczkovich, Decomposition of sets with small boundary, *J. London Math. Soc.* **46** (1992), 58-64.
- [65] P.D. Humke és M. Laczkovich, An elementary proof of Freiling's symmetric covering theorem, *Real Analysis Exch.* **16** (2) (1990-91), 549-551.
- [66] P.D. Humke és M. Laczkovich, Parametric semicontinuity implies continuity, *Real Analysis Exch.* **17** (2) (1991-92), 668-680.
- [67] M. Laczkovich, Paradoxical decompositions using Lipschitz functions, *Mathematika* **39** (1992), 216-222.
- [68] M. Laczkovich, Decomposition of sets of small or large boundary, *Mathematika*, **40** (1993), 290-304.
- [69] M. Laczkovich, Equidecomposability of sets, invariant measures, and paradoxes, *Rendiconti dell'Istituto di Matematica dell'Univ. Trieste* **23** (1991), 145-176.
- [70] M. Laczkovich, Paradoxical decompositions: a survey of recent results, in: *First European Congress of Mathematics* (Paris, July 6-10, 1992). Progress in Mathematics, No. 120, Birkhäuser, 1994, Volume II, 159-184.
- [71] M. Laczkovich, Tilings of triangles, *Discrete Mathematics* **140** (1995), 79-94.
- [72] M. Laczkovich, On the resultant of forces, *Acta Math. Hungar.* **68** (1995), 239-251.
- [73] M. Laczkovich és G. Szekeres, Tilings of the square with similar rectangles, *Discrete and Computational Geometry* **13** (1995), 569-572.
- [74] M. Laczkovich, Decomposition of convex figures into similar pieces, *Discrete and Computational Geometry*, **13** (1995), 143-148.
- [75] M. Laczkovich, Discrepancy estimates for sets with small boundary, in: Combinatorics, regularity and irregularity of structures, *Studia Math. Hungar.* **30** (1995), 105-109.
- [76] M. Laczkovich és A. W. Miller, Measurability of functions with approximately continuous vertical sections and measurable horizontal sections, *Colloq. Math.* **49** (1995), 299-308.
- [77] M. Laczkovich: *Valós függvénytan*. Egyetemi jegyzet. ELTE, 1995
- [78] C. Freiling, M. Laczkovich és D. Rinne, Rectangling a rectangle, *Discrete and Computational Geometry* **17** (1997), 217-225.
- [79] M. Laczkovich és I. Z. Ruzsa, The number of homothetic subsets. *The mathematics of Paul Erdős* (Editors: R. L. Graham and J. Nešetřil), Vol. II, pp. 294-302. Springer, 1997.
- [80] M. Laczkovich és I. Z. Ruzsa, Measure of sumsets and ejective sets I, *Real Analysis Exchange* **22** (1996-97), 153-166.

- [81] M. Laczkovich, Decomposition using measurable functions, *C. R. Acad. Sci. Paris* **323** (1996), 583-586.
- [82] M. Laczkovich, On Lambert's proof of the irrationality of π , *Amer. Math. Monthly* **104** (1997), 439-443.
- [83] M. Laczkovich, és P. D. Humke, A visit to the Erdős problem, *Proc. Amer. Math. Soc.* **126** (1998), 819-822.
- [84] M. Laczkovich, Analytic subgroups of the reals, *Proc. Amer. Math. Soc.* **126** (1998), 1783-1790.
- [85] M. Balcerzak, Z. Buczolic és M. Laczkovich, Lipschitz differences and Lipschitz functions, *Colloq. Math.* **72** (1997), 319-324.
- [86] M. Laczkovich, Tilings of polygons with similar triangles II, *Discrete and Computational Geometry*, **19** (1998), 411-425.
- [87] M. Laczkovich: *Conjecture and Proof*. Typotech, 1998.
- [88] M. Laczkovich: *Sejtés és bizonyítás*. Typotech, 1998.
- [89] M. Laczkovich, Operators commuting with translations, and systems of difference equations, *Colloq. Math.* **80** (1999), 1-22.
- [90] M. Laczkovich, The local stability of convexity, affinity and of the Jensen equation, *Aequationes Math.* **58** (1999), 135-142.
- [91] M. Laczkovich és I. Z. Ruzsa, Elementary and integral-elementary functions, *Illinois J. Math.* (44) (2000), 161-182.
- [92] M. Laczkovich, Two constructions of Sierpiński and some cardinal invariants of ideals, *Real Analysis Exchange* **24** (1998-99), 663-676.
- [93] M. Laczkovich, Paradoxical sets under $SL_2[\mathbf{R}]$, *Annales Univ. Sci. Budapest* **42** (1999), 141-145.
- [94] M. Laczkovich, Translational invariant linear functionals and representation of functions as sums of differences, *Real Analysis Exchange* **25** (1999-2000), 119-123.
- [95] M. Laczkovich, Orders of absolute measurability, *J. Math. Analysis and Applications* **251** (2000), 167-186.
- [96] M. Laczkovich, The difference property. In: *Paul Erdős and his Mathematics* (editors: G. Halász, L. Lovász, M. Simonovits and V. T. Sós), Springer, 2002. Vol. I, 363-410.
- [97] G. Alberti, M. Csörnyei, M. Laczkovich és D. Preiss, Denjoy-Young-Saks' theorem for approximate derivatives revisited, *Real Analysis Exch.* **26** (1) (2000-2001), 485-488.
- [98] M. Laczkovich, On paradoxical spaces, *Studia Sci. Math. Hungar.* **38** (2001), 267-271.
- [99] P. Komjáth és M. Laczkovich, A combinatorial property of cardinals, *Proc. Amer. Math. Soc.* **130** (5) (2001), 1487-1491.
- [100] M. Laczkovich, Infinite Peano derivatives, *Real Analysis Exch.* **26** (2) (2000-2001), 811-825.
- [101] M. Csörnyei és M. Laczkovich, Some periodic and non-periodic recursions, *Monatshefte für Mat.* **132** (2001), 215-236.
- [102] M. Laczkovich, A Ramsey theorem for measurable sets, *Proc. Amer. Math. Soc.* **130** (2002), no. 10, 3085-3089.
- [103] *Conjecture and Proof*. The Mathematical Association of America, 2001.
- [104] M. Laczkovich, The removal of π from some undecidable statements involving elementary functions, *Proc. Amer. Math. Soc.* **131** (2003), no. 7, 2235-2240.

- [105] M. Laczkovich, Configurations with rational angles and Diophantine trigonometric equations. In: B. Aronov, S. Basu, J. Pach and M. Sharir (Editors): *Discrete and Computational Geometry. The Goodman-Pollack Festschrift*. Springer 2003, pp. 571-595.
- [106] C. Freiling, P. D. Humke és M. Laczkovich, One old problem, one new, and their equivalence, *Tatra Mountains Mathematical Publications* **24** (2002), 169-174.
- [107] A. Ádám és M. Laczkovich, On cardinality questions concerning automaton mappings, *Studia Sci. Math. Hungar.* **40** (2003), 71-82.
- [108] M. Laczkovich, Paradoxes in measure theory. In: *Handbook of Measure Theory* (editor: E. Pap), Elsevier, 2002. Vol. I, 83-123.
- [109] M. Laczkovich, Equidecomposability of Jordan domains under groups of isometries, *Fund. Math.* **177** (2003), 151-173.
- [110] K. Ciesielski és M. Laczkovich, Strong Fubini properties for measure and category, *Fund. Math.* **178** (2003), 171-188.
- [111] M. Laczkovich, Polynomial mappings on Abelian groups, *Aequationes Math.* **68** (2004), 177-199.
- [112] P. Holický és M. Laczkovich, Exposed points of compact convex sets in \mathbf{R}^3 , *Proc. Amer. Math. Soc.* **132** (2004), 3345-3347.
- [113] M. Laczkovich, Linear functional equations and Shapiro's conjecture, *L'Enseignement Mathématique* **50** (2004), 103-122.
- [114] Laczkovich Miklós, Polinom-exponenciális függvények, *Matematikai Lapok* **10** (1) (2000-2001), 22-31.
- [115] M. Laczkovich és G. Székelyhidi, Harmonic analysis on discrete Abelian groups, *Proc. Amer. Math. Soc.* **133** (2005), no. 6, 1581-1586.
- [116] P. D. Humke és M. Laczkovich, Symmetrically approximately continuous functions, consistent density theorems, and Fubini type inequalities, *Trans. Amer. Math. Soc.* **357** (2005), 31-44.
- [117] Laczkovich Miklós és T. Sós Vera: *Analízis I.* Nemzeti Tankönyvkiadó, 2005.
- [118] S. Gao, S. Jackson, M. Laczkovich és D. Mauldin, On the unique representation of families of sets, *Trans. Amer. Math. Soc.* **360** (2008), 939-958.
- [119] M. Laczkovich és L. Székelyhidi, Spectral synthesis on discrete Abelian groups, *Proc. Cambridge Phil. Soc.* **143** (2007), 103-120.
- [120] Laczkovich Miklós és T. Sós Vera: *Analízis II.* Nemzeti Tankönyvkiadó, 2007.
- [121] M. Elekes és M. Laczkovich, A cardinal number connected to the solvability of systems of difference equations in a given function class, *J. Anal. Math.* **101** (2007), 199-218.
- [122] W. Jarczyk és M. Laczkovich, Convexity on Abelian groups, *J. Convex Analysis*, **16** (2009), 33-48.
- [123] Z. Daróczy és M. Laczkovich, On functions taking the same value on many pairs of points, *Real Analysis Exch.* **33** (2) (2007-2008), 385-393.
- [124] W. Jarczyk és M. Laczkovich, Almost convex functions on locally compact Abelian groups, *Math. Inequal. Appl.*, **13** (2010), 217-225.
- [125] M. Laczkovich és I. Reclaw, Ideal limits of sequences of continuous functions, *Fund. Math.* **203** (2009), 39-46.

- [126] M. Laczkovich, The growth of elementary functions, *Acta Math. Hungar.* **127** (2010), 320-346.
- [127] M. Laczkovich és R. Paulin, Stability constants in linear spaces, *Constr. Approx.* **34** (2011), 89-106.
- [128] S. Butler, F. Chung, R. Graham és M. Laczkovich, Tiling polygons with lattice triangles, *Discrete and Computational Geometry* **44** (2010), 896-903.
- [129] M. Laczkovich, The Growth of Complex Solutions of Algebraic Differential Equations of First Order, *CMFT (Computational Methods and Function Theory)* **11** (2011), No. 1, 192-211.
- [130] G. Kiss és M. Laczkovich, Decomposition of balls into congruent pieces, *Mathematika*, **57** (2011), no. 1, 89-107.
- [131] M. Laczkovich, Tilings of convex polygons with congruent triangles, *Discrete and Computational Geometry*, **48** (2) (2012), 330-372.
- [132] Laczkovich Miklós és T. Sós Vera: *Valós Analízis I.* Typotex, Budapest, 2012.
- [133] Laczkovich Miklós és T. Sós Vera: *Valós Analízis II.* Typotex, Budapest, 2013.
- [134] P. D. Humke és M. Laczkovich, Transference of Density, *Michigan Mathematical Journal*, **62** (2013) Number 3, 631-656.
- [135] M. Laczkovich, Local spectral synthesis on Abelian groups, *Acta Math. Hungar.* **142** (2014), 313-329.
- [136] M. Laczkovich, Ideals and differential operators in the ring of polynomials of infinitely many variables, *Periodica Math. Hungar.* **69** (2014), 109-119.
- [137] G. Kiss és M. Laczkovich, Linear functional equations, differential operators and spectral synthesis, *Aequationes Math.* **89** (2015), 301-328.
- [138] I. Bárány és M. Laczkovich, Magic mirrors, dense diameters, Baire category, *Journal of Convex Analysis*, **24** (2017), no. 1, 93-102.
- [139] M. Laczkovich és A. K. Matszangosz, On the linear Denjoy property of two variable continuous functions, *Colloq. Math.* **141** (2015), 157-173.
- [140] Miklós Laczkovich és Vera T. Sós: *Real Analysis. Foundations and Functions of One Variable.* Springer, 2015.
- [141] M. Csörnyei, K. Héra és M. Laczkovich, Closed sets with the Kakeya property, *Mathematika* **63** (2017), no. 1, 184-195.
- [142] K. Héra és M. Laczkovich, The Kakeya problem for circular arcs, *Acta Math. Hungar.* **150** (2016), no. 2, 479-511.