

LIST OF PUBLICATIONS

Gyula Maksa

- [1] A functional equation with differences, *Zbornik Rad. Mat. Inst. Beograd (N.S.)*, **1(9)** (1976), 49–52. Symposium en Quasigroupes et Équations Fonctionnelles (Belgrade-Noví Sad, 1974).
- [2] On the functional equation $f(x + y) + g(xy) = h(x) + h(y)$. *Publ. Math. Debrecen*, **24(1-2)** (1977), 25–29.
- [3] Nonnegative information functions, in: *Analytic function methods in probability theory (Proc. Colloq. Methods of Complex Anal. in the Theory of Probab. and Statist.)*, Kossuth L. Univ. Debrecen, Debrecen, 1977), volume 21 of *Colloq. Math. Soc. János Bolyai*, pp. 67–78. North-Holland, Amsterdam-New York, 1979. (with Z. Daróczy)
- [4] Bounded symmetric information functions, *C. R. Math. Rep. Acad. Sci. Canada*, **2(5)** (1980), 247–252.
- [5] A remark on symmetric biadditive functions having nonnegative diagonalization, *Glas. Mat. Ser. III*, **15(35)(2)** (1980), 279–282.
- [6] The general solution of a functional equation related to the mixed theory of information, *Aequationes Math.*, **22(1)** (1981), 90–96.
- [7] On near derivations, *Proc. Amer. Math. Soc.*, **81(3)** (1981), 406–408.
- [8] On the bounded solutions of a functional equation, *Acta Math. Acad. Sci. Hungar.*, **37(4)** (1981), 445–450.
- [9] On the generating function for the Appell polynomials, *Ann. Univ. Sci. Budapest., Eötvös Sect. Math.*, **24** (1981), 241–246. (with Z. Daróczy)
- [10] The general solution of a functional equation of information theory, *Glas. Mat. Ser. III*, **16(36)(2)** (1981), 261–268. (with L. Losonczi)
- [11] On some functional equations of the information theory. *Acta Math. Acad. Sci. Hungar.*, **39(1-3)**, (1982), 73–82. (with L. Losonczi)

- [12] Solution on the open triangle of the generalized fundamental equation of information with four unknown functions, *Utilitas Math.*, **21** (1982), 267–282.
- [13] On completely additive functions, *Acta Math. Hungar.*, **48(3-4)** (1986), 353–355.
- [14] Measures of inset information on the open domain. I. Inset entropies and information functions of all degrees, *Aequationes Math.*, **30(2-3)** (1986), 187–201. (with Bruce R. Ebanks)
- [15] The fundamental equation of information on open domain, *Publ. Math. Debrecen*, **33(1-2)** (1986), 9–11. (with Che Tat Ng)
- [16] A characterization of the signed hyperbolic distance, *C. R. Math. Rep. Acad. Sci. Canada*, **9(1)** (1987), 21–24.
- [17] The general solution of a functional equation arising in information theory, *Acta Math. Hungar.*, **49(1-2)** (1987), 213–217.
- [18] On the trace of symmetric bi-derivations, *C. R. Math. Rep. Acad. Sci. Canada*, **9(6)** (1987), 303–307.
- [19] Equations arising from the theory of orthogonally additive and quadratic functions, *C. R. Math. Rep. Acad. Sci. Canada*, **10(6)** (1988), 295–300. (with Gy. Szabó and L. Székelyhidi)
- [20] The role of boundedness and nonnegativity in characterizing entropies of degree α , *Publ. Math. Debrecen*, **36(1-4)** (1990), 179–185, 1989.
- [21] On Hosszú's functional inequality, *Publ. Math. Debrecen*, **36(1-4)** (1990), 187–189, 1989. (with Zs. Páles)
- [22] Some regularity properties of algorithms and additive functions with respect to them, *Aequationes Math.*, **41(1)** (1991), 111–118. (with Z. Daróczy and T. Szabó)
- [23] Interval-filling sequences of order N and a representation of real numbers in canonical number systems, *Publ. Math. Debrecen*, **39(3-4)** (1991), 305–313. (with B. Kovács)
- [24] Interval filling sequences and the dyadic group, In: *Contributions to the theory of functional equations (Graz, 1991)*, volume 315 of *Grazer Math. Ber.*, pages 69–74. Karl-Franzens-Univ. Graz, Graz, 1991.

- [25] Results on t -Wright convexity, *C. R. Math. Rep. Acad. Sci. Canada*, **13(6)** (1991), 274–278. (with K. Nikodem and Zs. Páles)
- [26] On the stability of a sum form equation, *Results Math.*, **26(3-4)**, (1994), 342–347.
- [27] Functional equations on convex sets, *Acta Math. Hungar.*, **68(3)** (1995), 187–195. (with Z. Daróczy)
- [28] The measurable solutions of a functional equation of C. Alsina and J. L. Garcia-Roig. *C. R. Math. Rep. Acad. Sci. Canada*, **17(1)** (1995), 7–10. (with A. Járαι)
- [29] Solutions to three functional equations arising from different ways of measuring utility. *J. Math. Anal. Appl.*, **204(2)** (1996), 451–471. (with J. Aczél and R. Duncan Luce)
- [30] Consistent aggregation and generalized bisymmetry, In: *Contributions to the theory of functional equations, II (Zamárdi, 1995)*, volume 327 of *Grazer Math. Ber.*, pages 1–4. Karl-Franzens-Univ. Graz, Graz, 1996. (with J. Aczél)
- [31] Solution of the rectangular $m \times n$ generalized bisymmetry equation and of the problem of consistent aggregation, *J. Math. Anal. Appl.*, **203(1)** (1996), 104–126. (with J. Aczél)
- [32] Inequalities for selection probabilities, In: *General inequalities, 7 (Oberwolfach, 1995)*, volume 123 of *Internat. Ser. Numer. Math.*, pages 271–284. Birkhäuser, Basel, 1997. (with J. Aczél)
- [33] Consistent aggregation of scale families of selection probabilities. *Math. Social Sci.*, **33(3)** (1997), 227–250. (with J. Aczél, A. A. J. Marley and Z. Moszner)
- [34] Equations of generalized bisymmetry and of consistent aggregation: weakly surjective solutions which may be discontinuous at places, *J. Math. Anal. Appl.*, **214(1)** (1997), 22–35. (with J. Aczél and M. Tylor)
- [35] The stability of a sum form functional equation arising in information theory, *Acta Math. Hungar.*, **79(1-2)** (1998), 39–48. (with I. Kocsis)
- [36] Functions having quadratic differences in a given class, *Acta Acad. Paedagog. Agriensis Sect. Mat. (N.S.)*, **25** (1999), 77–82, 1998.

- [37] The solution of a system of functional equations related to selection probabilities, *Publ. Math. Debrecen*, **52(3-4)** (1998), 547–557. Dedicated to Professors Zoltán Daróczy and Imre Káta.
- [38] Solution to a functional equation arising from different ways of measuring utility, *J. Math. Anal. Appl.*, **233(2)** (1999), 740–748. (with J. Aczél and Zs. Páles)
- [39] Functions commuting with ternary operations, *Rocznik Nauk.-Dydakt. Prace Mat.*, **16** (1999), 15–21. (with Z. Daróczy)
- [40] On a problem of Matkowski, *Colloq. Math.*, **82(1)** (1999), 117–123. (with Z. Daróczy)
- [41] An associative algorithm, *Acta Acad. Paedagog. Agriensis Sect. Mat. (N.S.)*, **26** (2000), 31–38, 1999.
- [42] Solution of generalized bisymmetry type equations without surjectivity assumptions, *Aequationes Math.*, **57(1)** (1999), 50–74.
- [43] Collective judgement: combining individual value judgements, *Math. Social Sci.*, **37(3)** (1999), 211–233. (with Á. Münnich and R. J. Mokken)
- [44] Consistent aggregation of simply scalable families of choice probabilities, *Math. Social Sci.*, **39(3)** (2000), 241–262. (with J. Aczél, A. Gilányi and A.J. Marley)
- [45] Extension theorems for the Matkowski–Sutô problem, *Demonstratio Math.*, **33(3)** (2000), 547–556. (with Z. Daróczy and Zs. Páles)
- [46] The generalized associativity equation revisited, *Rocznik Nauk.-Dydakt. Prace Mat.*, **17** (2000), 175–180. Dedicated to Professor Zenon Moszner on the occasion of his seventieth birthday.
- [47] On a functional equation arising from joint-receipt utility models, *Aequationes Math.*, **59(3)** (2000), 273–286. (with A. A. J. Marley and Zs. Páles)
- [48] Characterization of group homomorphisms having values in an inner product space, *Publ. Math. Debrecen*, **56(1-2)** (2000), 197–200. (with P. Volkmann)
- [49] n -variable bisection, *J. Math. Psych.*, **44(4)** (2000), 569–581. (with Á. Münnich and R. J. Mokken)

- [50] A functional equation generated by event commutativity in separable and additive utility theory, *Aequationes Math.*, **62(1-2)** (2001), 160–174. (with J. Aczél)
- [51] A functional equation arising from ranked additive and separable utility, *Proc. Amer. Math. Soc.*, **129(4)** (2001), 989–998. (with J. Aczél, Che Tat Ng and Zs. Páles)
- [52] Solution of a functional equation arising in an axiomatization of the utility of binary gambles, *Proc. Amer. Math. Soc.*, **129(2)** (2001), 483–493. (with J. Aczél and Zs. Páles)
- [53] Hyperstability of a class of linear functional equations. *Acta Math. Acad. Paedagog. Nyíregyházi. (N.S.)*, **17(2)** (2001), 107–112. (with Zs. Páles)
- [54] Jensen’s equation and bisymmetry, *Publ. Math. Debrecen*, **61(3-4)** (2002), 663–669.
- [55] A note on non-negative information functions, *Acta Acad. Paedagog. Agriensis Sect. Mat. (N.S.)*, **30** (2003), 31–36. Dedicated to the memory of Professor Dr. Péter Kiss. (with B. Brindza)
- [56] On two-variable means with variable weights, *Aequationes Math.*, **67(1-2)** (2004), 154–159. (with Z. Daróczy and Zs. Páles)
- [57] On Cauchy-differences that are also quasiums, *Publ. Math. Debrecen*, **65(3-4)** (2004), 381–398. (with A. Járαι and Zs. Páles)
- [58] CM solutions of some functional equations of associative type, *Annales Univ. Sci. Budapest., Sect. Comp.*, **24** (2004), 125–132.
- [59] On a composite functional equation arising in utility theory, *Publ. Math. Debrecen*, **65(1-2)** (2004), 2004. (with Zs. Páles)
- [60] Quasiums and generalized associativity, *Aequationes Math.*, **69(1-2)** (2005), 6–27.
- [61] Functional equations involving means and their Gauss composition, *Proc. Amer. Math. Soc.*, **134(2)** (2006), 521–530. (with Z. Daróczy and Zs. Páles)
- [62] Quasi-sums in several variables, *Acta Math. Acad. Paedagog. Nyíregyházi. (N.S.)*, **22(2)** (2006), 193–207. (with E. Nizsalóczki)

- [63] Two functional equations on groups, *Ann. Math. Sil.*, **21** (2008), 7–13, 2007. (with Zs. Ádám, K. Lajkó and F. Mészáros)
- [64] Functional equations involving means, *Acta Math. Hungar.*, **116(1-2)** (2007), 79–87. (with Z. Daróczy, K. Lajkó, R. L. Lovas and Zs. Páles)
- [65] The stability of the entropy of degree alpha, *J. Math. Anal. Appl.*, **346(1)** (2008), 17–21.
- [66] The Shannon field of non-negative information functions, *Sci. Math. Jpn.*, **69(2)** (2009), 241–248. (with E. Gselmann)
- [67] Stability of the parametric fundamental equation of information for non-positive parameters, *Aequationes Math.*, **78(3)** (2009), 271–282. (with E. Gselmann)
- [68] On a generalized Hosszú functional equation, *Publ. Math. Debrecen*, **74(1-2)** (2009), 101–106. (with K. Lajkó and F. Mészáros)
- [69] A characterization of the exponential distribution through functional equations, in: *Inequalities and applications*, volume 157 of *Internat. Ser. Numer. Math.*, pages 291–298. Birkhäuser, Basel, 2009. (with F. Mészáros)
- [70] Decomposition of higher-order Wright-convex functions, *J. Math. Anal. Appl.*, **359(2)** (2009), 439–443. (with Zs. Páles)
- [71] Remarks on the comparison of weighted quasi-arithmetic means, *Colloq. Math.*, **120(1)** (2010), 77–84. (with Zs. Páles)
- [72] The equivalence of two functional equations involving the arithmetic mean, the geometric mean and their Gauss composition, *Aequationes Math.*, **80(1-2)** (2010), 173–179. (with A. Varga)
- [73] A characterization of the relative entropies, *Annales Univ. Sci. Budapest., Sect. Comp.*, **35** (2011), 151–162. (with E. Gselmann)
- [74] The equality case in some recent convexity inequalities, *Opuscula Math.*, **31(2)** (2011), 269–277. (with Zs. Páles)
- [75] Wigner’s theorem revisited, *Publ. Math. Debrecen*, **81(1-2)** (2012), 243–249. (with Zs. Páles)

-
- [76] A functional equation involving comparable weighted quasi-arithmetic means *Acta Math. Hungar.*, **138(1-2)** (2013), 147–155. (with Z. Daróczy)
 - [77] On additive functions which differentiate elementary functions in some sense, *Annales Univ. Sci. Budapest., Sect. Comp.*, **41** (2013), 125–136.
 - [78] Some functional equations related to the characterizations of information measures and their stability, in: *Handbook of functional equations*, volume 96 of *Springer Optim. Appl.*, pages 199–241. Springer, New York, 2014. (with E. Gselmann)
 - [79] On subgroups of the multiplicative group of the positive real numbers associated to information functions, *Publ. Math. Debrecen*, **84(1-2)** (2014), 253–258.
 - [80] Convexity with respect to families of means, *Aequationes Math.*, **89(1)** (2015), 161–167. (with Zs. Páles)
 - [81] The dilogarithm function and the Abel functional equation, *Publ. Math. Debrecen*, **89(3)** (2016), 321–330. (with Z. Daróczy)
 - [82] On the alienation of the exponential Cauchy equation and the Hosszú equation, *Aequationes Math.*, **90(1)** (2016), 57–66. (with M. Sablik)

