## 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-Novi 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)

80 Gv. Maksa

[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. Járai)
- [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.

82 Gv. Maksa

[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 Kátai.

- [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 quasisums, *Publ. Math. Debrecen*, **65(3-4)** (2004), 381–398. (with A. Járai 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] Quasisums 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)

84 Gv. Maksa

[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)