

MAREK KUCZMA: LIST OF PUBLICATIONS

- [1] *On the functional equation $g(x+1) - g(x) = \varphi(x)$* [Polish]. Zeszyty Nauk. Univ. Jagielloń. Mat.-Fiz.-Chem. 4 (1958), 27-38.
- [2] *On the sums of the series $\sum_{n=1}^{\infty} n^p/x^n$* [Polish]. Zeszyty Nauk. Uniwersyteckie Jagielloń. Mat.-Fiz.-Chem. 4 (1958), 39-46.
- [3] (with S. Gołab and Z. Opial) *La courbure d'une courbe plane et l'existence d'une asymptote*. Ann. Polon. Math. 5 (1958/59), 275-283.
- [4] *On the functional equation $\varphi(x) + \varphi[f(x)] = F(x)$* . Ann. Polon. Math. 6 (1959), 281-287.
- [5] (with J. Kordylewski) *On the functional equation $F(x, \varphi(x), \varphi[f(x)]) = O$* . Ann. Polon. Math. 7 (1959), 21-32.
- [6] (with S. Gołab and J. Kordylewski) *On some new geometrical interpretations of the torsion of a skew curve*. Ann. Polon. Math. 7 (1959), 269-278.
- [7] *On convex solutions of the functional equation $g[\alpha(x)] - g(x) = \varphi(x)$* . Publ. Math. Debrecen 6 (1959), 40-47.
- [8] *Bemerkung zur vorhergehenden Arbeit von M. Kucharzewski*. Publ. Math. Debrecen 6 (1959), 199-203.
- [9] *On linear differential geometric objects of the first class with one component*. Publ. Math. Debrecen 6 (1959), 72-78.
- [10] *Note on convex functions*. Ann. Univ. Szegediensis Budapest. Eötvös, Sect. Math. 2 (1959), 25-26.
- [11] (with J. Kordylewski) *On some functional equations* [Polish]. Zeszyty Nauk. Uniwersyteckie Jagielloń. Prace Mat. 5 (1959), 23-34.
- [12] (with J. Kordylewski) *On the functional equation $F(x, \varphi(x), \varphi[f_1(x)], \dots, \varphi[f_n(x)]) = O$* . Ann. Polon. Math. 8 (1960), 55-60.

- [13] *General solution of a functional equation.* Ann. Polon. Math. 8 (1960), 201-207.
- [14] *On continuous solutions of a functional equation.* Ann. Polon. Math. 8 (1960), 209-214.
- [15] *Remarks on some functional equations.* Ann. Polon. Math. 8 (1960), 277-284.
- [16] *On the form of solutions of some functional equations.* Ann. Polon. Math. 9 (1960), 55-63.
- [17] (with J. Kordylewski) *On some linear functional equations.* Ann. Polon. Math. 9 (1960), 119-136.
- [18] (with J. Aczel, S. Gołab and E. Siwek) *Das Doppelverhältnis als Lösung einer Funktionalgleichung.* Ann. Polon. Math. 9 (1960), 183-187.
- [19] *General solution of the functional equation $\varphi[f(x)] = G(x, \varphi(x))$.* Ann. Polon. Math. 9 (1960), 275-284.
- [20] *On monotonic solutions of a functional equation. I.* Ann. Polon. Math. 9 (1960), 295-297.
- [21] *Remarques sur quelques théorèmes de J. Anastassiadis.* Bull. Sci. Math. (2) 84 (1960), 98-102.
- [22] *On some infinite series and a certain limit property of real entire functions.* Acta Math. Acad. Sci. Hungar. 11 (1960), 249-253.
- [23] (with M. Kucharzewski) *On linear differential geometric objects with one component. I.* Tensor (N.S.) 10 (1960), 245-254.
- [24] (with P. Vopěnka) *On the functional equation $\lambda[f(x)]\lambda(x) + A(x)\lambda(x) + B(x) = O$.* Ann. Univ. Sci. Budapest, Eötvös, Sect. Math. 3-4 (1960-61), 123-133.
- [25] (with M. Kucharzewski) *On linear differential geometric objects with one component. II.* Tensor (N.S.) 11 (1961), 35-42.
- [26] (with J. Kordylewski) *On the continuous dependence of solutions of some functional equations on given functions, I.* Ann. Polon. Math. 10 (1961), 41-48.

- [27] *On monotonic solutions of a functional equation*, II. Ann. Polon. Math. 10 (1961), 161-166.
- [28] (with J. Kordylewski) *On the continuous dependence of solutions of some functional equations on given functions*, II. Ann. Polon. Math. 10 (1961), 167-174.
- [29] *Functional equations and their significance in modern mathematics* [Polish]. Prace Mat. 6 (1961), 175-211.
- [30] *Sur une équation fonctionnelle*. Mathematica (Cluj) 3(26) (1961), 79-87.
- [31] *A uniqueness theorem for a linear functional equation*. Glas. Mat.-Fiz. Astr. Ser. II 16 (1961), 177-181.
- [32] *On some functional equations containing iterations of the unknown function*. Ann. Polon. Math. 11 (1962), 1-5.
- [33] *On the functional equation $\varphi''(x) = g(x)$* . Ann. Polon. Math. 11 (1962), 161-175.
- [34] (with J. Kordylewski) *On some linear functional equations*, II. Ann. Polon. Math. 11 (1962), 203-207.
- [35] *On a recurrence relation*. Colloq. Math. 9 (1962), 105-108.
- [36] (with M. Kucharzewski) *General solution of the functional equation $f(xy) = f(x)f(y)$ for second degree matrices f* [Polish]. Zeszyty Nauk. Wyż. Szkoły Ped. w Katowicach Mat. 3 (1962), 47-59.
- [37] (with M. Kucharzewski) *Some remarks on sequences defined in a recurrent way* [Polish]. Zeszyty Nauk. Wyż. Szkoły Ped. w Katowicach Mat. 3 (1962), 61-70.
- [38] *On some functional equations whose solutions are representable with the aid of Euler's gamma function* [Polish]. Zeszyty Nauk. Wyż. Szkoły Ped. w Katowicach Mat. 3 (1962), 71-88.
- [39] *On the functional equation $f(x+y) = f(x) + f(y)$* . Fund. Math. 50 (1962), 387-391.

- [40] (with M. Kucharzewski) *Sur la classification des objets géométriques linéaires homogènes de la première classe à deux composantes dans l'espace ‘deux dimensions.* C.R. Acad. Sci. Paris 254 (1962), 1562-1563.
- [41] *A remark on commutable functions and continuous iterations.* Proc. Amer. Math. Soc. 13 (1962), 847-850.
- [42] (with B. Choczewski) *Sur certaines équations fonctionnelles considérées par l. Stamate.* Mathematica (Cluj) 4 (27) (1962), 225-233.
- [43] (with M. Kucharzewski) *On the functional equation $F(AB) = F(A)F(B)$.* Ann. Polon. Math. 13 (1963), 1-17.
- [44] *A characterization of the exponential and logarithmic functions by functional equations.* Fund. Math. 52 (1963), 283-288.
- [45] (with M. Kucharzewski) *Some remarks on geometric objects and their equivalence.* I. Tensor (N.S.) 13 (1963), 251-260.
- [46] (with M. Kucharzewski) *Some remarks on geometric objects and their equivalence.* II. Tensor (N.S.) 13 (1963), 261-268.
- [47] *On the Schröder equation.* Rozprawy Mat. 34 (1963), 50 pp.
- [48] (with K. Szymiczek) *On periodic solutions of a functional equation.* Amer. Math. Monthly 70 (1963), 847-850.
- [49] (with M. Kucharzewski) *Determination of geometric objects of the type [2,2,1] with a linear homogeneous transformation formula.* Ann. Polon. Math. 14 (1963), 29-48,
- [50] (with M. Kucharzewski) *On a system of functional equations occurring in the theory of geometric objects.* Ann. Polon. Math. 14 (1963), 59-67.
- [51] (with A. Zajtz) *Über die multiplikative Cauchy'sche Funktionalgleichung für Matrizen dritter Ordnung.* Arch. Math. Basel, 15 (1964), 136-143.
- [52] *Note on Schröder's functional equation.* J. Austral. Math. Soc. 4 (1964), 149-151.

- [53] *A survey of the theory of functional equations.* Univ. Beograd. Publ. Elektrotchn. Fak. Ser. Mat. Fiz. 130 (1964), 64 pp.
- [54] *Sur une équation aux différences finies et une caractérisation fonctionnelle des polynômes.* Fund. Math. 55 (1964), 77-86.
- [55] (with M. Kucharzewski) *Determination of linear differential geometric objects of the first class, with two components, in a two-dimensional space.* Ann. Polon. Math. 15 (1964), 77-84.
- [56] (with M. Kucharzewski) *Basic concepts of the theory of geometric objects.* [Rozprawy Mat., No. 43]. IMPAN, Warsaw, 1964.
- [57] *Sur une équation fonctionnelle qui caractérise la fonction x^{-1} .* Publ. Inst. Math. (Beograd) (N.S.) 4(18) (1964), 121-124.
- [58] *Solution d'un problème de D. S. Mitrinović concernant une équation fonctionnelle.* Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat. Fiz. 129 (1964), 30-32.
- [59] (with T. Dłotko) *Sur une équation différentielle fonctionnelle à l'argument accéléré.* Colloq. Math. 12 (1964), 107-114.
- [60] (with S. Gołąb, A. Jakubowicz and M. Kucharzewski) *Sur l'objet géométrique représentant une direction munie d'un sens.* Ann. Polon. Math. 16 (1964), 233-236.
- [61] *On a characterization of the cosine.* Ann. Polon. Math. 16 (1964), 53-57.
- [62] *Remark on a difference equation.* Prace Mat. 9 (1965), 1-8.
- [63] *Bemerkungen über die Klassifikation der Funktionalgleichungen.* Prace Mat. 9 (1965), 169-183.
- [64] *Einige Sätze über die Reduktion der Ordnung der Funktionalgleichungen.* Prace Mat. 9 (1965), 185-192.
- [65] (with S. Gołąb) *Über eine Eigenschaft der Systeme von Transformationen.* Zeszyty Nauk. Uniwersyteckiego Jagiellońskiego. Prace Mat. 10 (1965), 21-24.

- [66] *On teaching inequalities in high schools* [Polish]. Matematyka 18, No. 3 (87) (1965), 123-125.
- [67] (with M. Kucharzewski) *Klassifikation der linearen homogenen geometrischen Objekten von Typus J mit drei Komponenten*. [Rozprawy Mat., No. 48] IMPAN, Warsaw, 1965.
- [68] *On convex solutions of Abel's functional equation*. Bull. Acad. Polon. Sci. Sér. Sci. Math. Astr. Phys. 13 (1965), 645-648.
- [69] *Third note on the general solution of a functional equation*. Ann. Polon. Math. 17 (1965), 179-192.
- [70] (with B. Choczewski) *On the indeterminate case in the theory of linear functional equation*. Fund. Math. 58 (1966), 163-175.
- [71] *On a theorem of M. Ghermănescu*. Zeszyty Nauk. Uniwers. Jagielloń. Prace Mat. 11 (1966), 31-39.
- [72] (with A. Zajtz) *On the form of real solutions of the matrix functional equation $\Phi(x)\Phi(y) = \Phi(xy)$ for non-singular matrices Φ* . Publ. Math. Debrecen 13 (1966), 257-262.
- [73] *Sur l'équation fonctionnelle de Böttcher*. Mathematica (Cluj) 8(31) (1966), 279-285.
- [74] (with A. Smajdor) *Note on iteration of concave functions*. Amer. Math. Monthly 74 (1967), 401-402.
- [75] *Une remarque sur les solutions analytiques d'une équation fonctionnelle*. Colloq. Math. 16 (1967), 93-99.
- [76] *On a functional characterization of the logarithm*. Funkcial. Ekvac. 10 (1967), 67-73.
- [77] (with A. Zajtz) *Quelques remarques sur l'équation fonctionnelle matricielle multiplicativa de Cauchy*. Colloq. Math. 18 (1967), 159-168.
- [78] *Un théorème d'unicité pour l'équation fonctionnelle de Böttcher*. Mathematica (Cluj) 9(32) (1967), 285-293.

- [79] *On the convergence of iterates.* Ann. Polon. Math. 20 (1968), 195-198.
- [80] (with J. Burek) *Einige Bemerkungen über monotone und konvexe Lösungen gewisser Funktionalgleichungen.* Math. Nachr. 36(1968), 121-134.
- [81] *On a conjecture of B. Schweizer.* Aequationes Math. 2 (1968), 122-123.
- [82] (with A. Smajdor) *Fractional iteration in the class of convex functions.* Bull. Acad. Polon. Sci. Sér. Sci. Math. Astr. Phys. 16 (1968), 717-720.
- [83] *On a new characterization of the exponential function.* Ann. Polon. Math. 21 (1968), 39-46.
- [84] *Some remarks on a functional equation characterizing the root.* Aequationes Math. 2 (1969), 282-286.
- [85] (with R. R. Coifman) *On asymptotically regular solutions of a linear functional equation.* Aequationes Math. 2 (1969), 332-336.
- [86] *Analytic solutions of a linear functional equation.* Ann. Polon. Math. 21 (1969), 297-303.
- [87] *On a functional equation with divergent solutions.* Ann. Polon. Math. 22 (1969), 173-178.
- [88] *Fractional iteration of differentiable functions.* Ann. Polon. Math. 22 (1969), 217-227.
- [89] *On squares of differentiable functions.* Ann. Polon. Math. 22 (1969), 229-237.
- [90] *Problems of uniqueness in the theory of functional equations in a single variable.* Zeszyty Nauk. Uniwersyteckie Jagiellońskie, Prace Matematyczne 14 (1970), 41-48.
- [91] *Zur Theorie der analytischen Lösungen der Funktionalgleichungen erster Stufe.* Nehézip. Műsz. Egy. Közl. (Miskolc) 30 (1970), 251-254.
- [92] *Almost convex functions.* Colloq. Math. 21 (1970), 279-284.
- [93] *P56S1 (Problem 56, Solution I).* Aequationes Math. 5 (1970), 326-327.

- [94] (with R. Ger) *On the boundedness and continuity of convex functions and additive functions.* Aequationes Math. 4 (1970), 157-162.
- [95] *Some remarks about additive functions on cones.* Aequationes Math. 4 (1970), 303-306.
- [96] *Fractional iteration of differentiable functions with multiplier zero.* Prace Mat. 14 (1970), 35-39.
- [97] *Some remarks on convexity and monotonicity.* Rev. Roumaine Math. Pures Appl. 15 (1970), 1463-1469.
- [98] (with G. I. Targoński) *On a Pre-Schröder Equation.* Bull. Acad. Polon. Sci. Sér. Sci. Math. Astr. Phys. 18 (1970), 721-724.
- [99] *P63R2 (Problem 63, Remark 2).* Aequationes Math. 5 (1970), 327-328,
- [100] (with D. Czaja-Pośpiech) *Continuous solutions of some functional equations in the indeterminate case.* Ann. Polon. Math. 24 (1971), 9-20.
- [101] (with W. Smajdor) *On the radius of convergence of series solutions of a functional equation.* Ann. Polon. Math. 24 (1971), 233-240.
- [102] (with A. Smajdor) *Regular fractional iteration.* Bull. Acad. Polon. Sci. Ser. Sci. Math. Astr. Phys. 19 (1971), 203-207.
- [103] (with W. Smajdor) *On the problem of uniqueness for solutions of a functional equation.* Bull. Acad. Polon. Sci. Ser. Sci. Math. Astr. Phys. 19 (1971), 301-304.
- [104] *On integrable solutions of a functional equation.* Bull. Acad. Polon. Sci. Ser. Sci. Math. Astr. Phys. 19 (1971), 593-596.
- [105] *Convex functions.* [Corso tenuto a La Mendola (Trento) dal 20 al 28 agosto 1970]. Functional Equations and Inequalities. Cremonese, Roma, 1971, pp. 195-213.
- [106] (with J. Drewniak) On the asymptotic behaviour of some sequences built of iterates. Ann. Polon. Math. 25 (1971), 39-51.

- [107] (with L. Dubikajtis) *On non-Localized oriented angles.* Ann. Polon. Math. 25 (1971), 235-247.
- [108] (with Marcin E. Kuczma) *An elementary proof and extension of a theorem of Steinhaus.* Glas. Mat. Ser. III 6(26) (1971), 11-18.
- [109] *On a problem of the optimization of a discrete process with bounds at every step.* Podstawy sterowania I (1971), 153-160.
- [110] *On a problem of the optimization of a discrete process with bounds at every step.* Bull. Acad. Polon. Sci. Ser. Sci. Techn. 20 (1972), no. 2, 15-17.
- [111] *On a problem of the optimization of a discrete process with bounds at every step* [Polish]. Prace Zakl. Syst. Automat. Kompleks. PAN 6 (1972), 3-26.
- [112] *On the stability of a discrete process with bounds at every step.* Podstawy sterowania 2 (1972), 97-104.
- [113] (with W. Smajdor) *Analytic solutions of some functional equations.* J. London Math. Soc. (2) 4 (1972), 418-424.
- [114] *Note on additive functions of several variables.* Uniw. Śląski w Katowicach Prace Nauk.-Prace Mat. 2 (1972), 49-51.
- [115] *On a certain series.* Ann. Polon. Math. 26 (1972), 199-204.
- [116] (with J. Matkowski) *Solutions of a functional equation in a special class of functions.* Ann. Polon. Math. 26 (1972), 287-293.
- [117] (with B. Choczewski) *On a problem of Lipiński concerning an integral equation.* Colloq. Math. 25 (1972), 13-115.
- [118] *Special solutions of a functional equation.* Ann. Polon. Math. 27 (1972), 29-32.
- [119] *A remark concerning measure and category.* Uniw. Śląski w Katowicach Prace Nauk.-Prace Mat. 3 (1973), 51-52.
- [120] *On some set classes occurring in the theory of convex functions.* Comment. Math. Prace Mat. 17 (1973), 127-135.

- [121] (with R. Ger) *On the structure of continuous solutions of some functional equations.* Uniw. Śląski w Katowicach Prace Nauk.-Prace Mat. 4 (1973), 13-21.
- [122] (with L. Dubikajtis, C. Ferens and R. Ger) *On Mikusinski's functional equation.* Ann. Polon. Math. 28 (1973), 39-47.
- [123] *Quelques observations á propos de l'équation Pre-Schröder.* Ann. Polon. Math. 28 (1973), 49-52.
- [124] *Remarks concerning the general solution of a functional equation.* Bul. Stiint. Tehn. Inst. Politehn. "Traian Vuia" Timisoara 16(30) (1971), 154-165.
- [125] *Functional equations in the theory of branching processes* [Polish]. Wiadom. Mat. 16 (1973), 13-22.
- [126] *Cauchy's functional equation on a restricted domain.* Colloq. Math. 28 (1973), 313-315.
- [127] *Activity of Professor Stanisław Gołęb in the theory of functional equations.* Demonstratio Math. 6 (1973), 39-44.
- [128] *A contribution to the theory of fractional iteration of differentiable functions.* Demonstratio Math. 6 (1973), 181-189.
- [129] *Note on a linearization.* Ann. Polon. Math. 29 (1974), 75-81.
- [130] (with P.I. Kannappan) *On a functional equation related to the Cauchy equation.* Ann. Polon. Math. 30 (1974), 49-55.
- [131] *Uniqueness of solutions of functional equations in a single variable* [Russian]. Proceedings of the Symposium on Differential Equations with Deviated Argument [Kiev, September 1975]. Naukowa Dumka, Kiev, 1977, pp. 187-199.
- [132] *Normalizing factors for iterates of random valued functions.* Uniw. Śląski w Katowicach Prace Nauk.-Prace Mat. 6 (1975), 67-72.
- [133] *On a theorem of Roman Ger.* Uniw. Śląski w Katowicach Prace Nauk-Prace Mat. 6 (1975), 73-76.

- [134] (with R. Ger) *On inverse additive functions*. Boll. Un. Mat. Ital. 11 (1975), 490-495.
- [135] *Various aspects of the functional equation of Schröder*. Colloques Internationaux du C.N.R.S. No. 229. Transformations ponctuelles et leurs applications [Toulouse, 10-14, September 1973], C.N.R.S., Paris, 1976, pp, 245-257.
- [136] *Regularly varying solutions of a linear functional equation*. J. Austral. Math. Soc. 22 (1976), 135-143.
- [137] (with J. Smital) *On measures connected with the Cauchy equation*. Aequationes Math. 14 (1976), 421-428.
- [138] (with J. W. Brown) *Self-inverse Sheffer sequences*. SIAM J. Math. Anal. 7 (1976), 723-728.
- [139] *On mappings preserving linear independence and dependence*. Uniwersytecki Śląski w Katowicach Prace Nauk.-Prace Mat. 7 (1977), 29-49.
- [140] *On the number of continuous solutions of a functional equation*. Uniwersytecki Śląski w Katowicach Prace Nauk.-Prace Mat. 7(1977), 51-55.
- [141] *General continuous solution of a linear homogeneous equation*. Ann. Polon. Math. 35 (1977), 21-25.
- [142] (with K. Baron) *Iteration of random valued functions on the unit interval*. Colloq. Math. 37 (1977), 263-269.
- [143] *Additive functions and the Egorov theorem*. General Inequalities I (Proceedings of the Symposium, Oberwolfach, 1976), E. F. Beckenbach (ed.). [ISNM 41]. Birkhäuser Verlag, Basel and Stuttgart, 1978, pp. 191-197.
- [144] *On some alternative functional equations*. Aequationes Math. 17 (1978), 182-198.
- [145] *Functional equations on restricted domains*. Aequationes Math. 18 (1978), 1-34.
- [146] *Non-negative continuous solutions of a functional inequality*. Ann. Polon. Math. 36 (1979), 187-199.

- [146] *Nonnegative continuous solutions of a linear functional inequality.* General Inequalities I (Proceedings of the Symposium, Oberwolfach, 1976), E. F. Beckenbach (ed.). [ISNM 41]. Birkhäuser Verlag, Basel and Stuttgart, 1978, pp. 175-180.
- [147] (with E. Głowacki) *Some remarks on Hosszú's functional equation on integers.* Univ. Śląski w Katowicach Prace Nauk.-Prace Mat. 9 (1979), 53-63.
- [148] (with J. Kalinowski) *Some remarks on continuous solutions of a functional equation.* Univ. Śląski w Katowicach Prace Nauk.-Prace Mat. 9 (1979), 64-73.
- [149] *Regular fractional iteration of convex functions.* Ann. Polon. Math. 38 (1980), 95-100.
- [150] *On a theorem of B. Barna.* Aequationes Math. 21 (1980), 173-178.
- [151] (with R. Graw) *Infinite discrete sets of limit points of iterative sequences of continuous functions.* Aequationes Math. 22 (1981), 64-69.
- [152] (with B. Choczewski) *Asymptotic properties of discontinuous solutions of a functional equation.* Zeszyty Nauk. Uniwersyteckie Jagiellońskie, Prace Matematyczne 22 (1981), 119-123.
- [153] *Functional equations.* [S. Kotz-N. L. Johnson: Encyclopedia of Statistical Sciences, vol. 3]. Wiley, New York, 1983, pp. 259-261.
- [154] (with B. Choczewski) *Discontinuous solution of an inhomogeneous linear functional equation.* Zeszyty Nauk. Uniwersyteckie Jagiellońskie, Prace Matematyczne 24 (1984), 155-158.
- [155] *On some properties of Erdős sets.* Colloq. Math. 48 (1984), 127-134.
- [156] *On some analogies between measure and category and their applications in the theory of additive functions.* Ann. Math. Sil. 1(13) (1985), 155-162.
- [157] (with B. Choczewski) *On a system of functional equations.* Aequationes Math. 28 (1985), 262-268.
- [158] *On a result of Z. Kominek.* Rad. Mat. 3 (1987), 307-315.
- [159] *On some properties of solutions of a functional equation.* Opuscula Math. 3 (1987), 37-41.

- [160] *A generic property of a linear functional equation.* Opuscula Math. 4 (1988), 139-144.
- [161] *An example of semilinear topologies.* Stochastica 12 (1988), 197-205.
- [162] (with Z. Kominek) *Theorems of Bernstein-Doetsch, Picard and Mehdi and semilinear topology.* Arch. Math. (Basel) 52 (1989), 595-602.
- [163] (with B. Choczewski) *A remark on doubly stochastic measures and functional equations.* C.R. Math. Rep. Acad. Sci. Canada II (1989), 127-132.
- [164] *Note on microperiodic functions.* Rad. Mat. 5 (1989), 127-140.
- [165] (with Z. Kominek) *On the lower hull of convex functions.* Aequationes Math. 38 (1989), 192-210.
- [166] (with J. Aczél) *On two mean value properties and functional equations associated with them.* Aequationes Math. 38 (1989), 216-235.
- [166a] (with J. Aczél) *On two related types of functional equations describing mean value properties.* Zeszyty Nauk. Politech. Śląsk. Mat.-Fiz. 64 (1991). 37-35.
- [167] *Note on multiplicative functions.* Ann. Math. Sil. 3 (15) (1990), 45-50.
- [168] *On the quasiarithmetic mean in a mean value property and the associated functional equation.* Aequationes Math. 41 (1991), 33-54.
- [169] (with H. Światak) *Newton-like algorithms for k th root calculation.* Ann. Polon. Math. 52 (1991), 303-312.
- [170] (with J. Aczél) *Generalizations of a "folk theorem" on simple functional equations in a single variable.* Resultate Math. 19 (1991), 5-21.
- [170a] (with J. Aczél) *Solutions of a functional equation, convex of higher order.* General Inequalities 6 (Proceedings of the Symposium, Oberwolfach, 1990), edited by W. Walter, International Series of Numerical Mathematics, vol. 103, Birkhäuser Verlag Basel, 1992.

- [171] (with Z. Kominek) *p-convex functions in linear spaces*. Ann. Polon. Math. 53 (1991), 91-108.
- [172] *On a Stamate-type functional equation*. Publ. Math. Debrecen 39 (1991), 325-338.
- [173] *A note on the core topology*. Ann. Math. Sil. 5(17) (1991), 28-36.
- [174] (with Z. Kominek) *Theorem of Bernstein-Doetseh in Baire spaces*. Ann. Math. Sil. 5 (17) (1991), 10-17.
- [175] (with V. Faber and J. Mycielski) *Some models of plane geometries and a functional equation*. Colloquium Math. 42 (1991), 279-281.
- [176] *On some functional equations with conic sections as solutions*. Rocznik Nauk.-Dydakt. WSP Kraków. Prace Mat. 13 (1993), 197-213.
- [177] *On measurable functions with vanishing differences*. Ann. Math. Sil. 6 (1992), 42-60.
- [178] *On a functional equation occurring in astrophysics*. Math. Pannon. 3 (1992), 17-27.
- [179] (with B. Choczewski) *On iterative roots of polynomials*. European Conference on Iteration Theory (ECIT91), World Scientific Publishing Co. Pte. Ltd, 1992, pp. 59-67.

BOOKS

- I. *Functional equations in a single variable*. Monografie Mat. 46. Polish Scientific Publishers, Warszawa, 1968.
- II. (editor) *Functional equations in the theory of stochastic processes* [Polish]. Silesian University, Katowice, 1972.
- III. *An introduction to the theory of functional equations and inequalities*. Cauchy's equation and Jensen's inequality. [Prace Nauk. Uniwersyteckie Śląskie, Vol. 489]. Polish Scientific Publishers, Warszawa-Krakw-Katowice, 1985.
- IV. (with B. Choczewski and R. Ger) *Iterative functional equations*. [Encyclopedia of Mathematics and Its Applications]. Cambridge University Press, Cambridge-New York-Port Chester-Melbourne-Sydney, 1990.