

LIST OF PUBLICATIONS BY JAN G. KRZYŻ

A. Research papers

- [1] *On a certain converse of the mean value theorem.* Ann. Univ. Mariae Curie-Skłodowska Sect. A 4 (1950), 131–135; MR 13–275.
- [2] *On monotoneity-preserving transformations.* Ibid. 6 (1952), 91–111; MR 16–27.
- [3] (with Biernacki, M.) *On the monotoneity of certain functionals in the theory of analytic functions.* Ibid. 9 (1955), 135–147; MR 19–736.
- [4] *An inequality concerning series with decreasing positive terms.* Ibid. 9 (1955), 187–193; MR 19–543.
- [5] *On the maximum modulus of univalent functions.* Bull. Acad. Polon. Sci. Sér. Sci. Math. 3 (1955), 203–206; MR 17–143.
- [6] *Olivier's theorem and its generalizations.* (Polish) Prace Matematyczne 2 (1956), 159–164; MR 18–889.
- [7] (with Radziszewski, K.) *Isoperimetrical defect and conformal mapping.* Ann. Univ. Mariae Curie-Skłodowska Sect. A 10 (1956), 49–56; MR 20 # 1 764.
- [8] *On the derivative of bounded univalent functions.* Bull. Acad. Polon. Sci. Sér. Sci. Math. 6 (1958), 157–159; MR 21 # 142.
- [9] *A symmetrization result for the maximum modulus.* Ibid. 557–559; MR 21 # 1 385.
- [10] *On the derivative of bounded p -valent functions.* Ann. Univ. Mariae Curie-Skłodowska Sect. A 12 (1958), 23–28; MR 23 A # 1 021 b.
- [11] *Distortion theorems for bounded p -valent functions.* Ibid. 29–38; MR 23 A # 1021 a.
- [12] *Circular symmetrization and the Green's function.* Bull. Acad. Polon. Sci. Sér. Sci. Math. 7 (1959), 327–330; MR 21 # 6424.
- [13] *Distortion theorems for bounded convex functions.* Ibid. 8 (1960), 625–627; MR 24 A # 823.
- [14] *Distortion theorems for bounded convex functions II.* Ann. Univ. Mariae Curie-Skłodowska Sect. A 14 (1960), 5–16; MR 25 # 4089.
- [15] *On univalent functions with two preassigned values.* Ibid. 15 (1961), 57–77; MR 25 # 2183.
- [16] *On a problem of P. Montel.* Ann. Polon. Math. 12 (1962), 55–60; MR 25 # 3160.
- [17] *The radius of close-to-convexity within the family of univalent functions.* Bull. Acad. Polon. Sci. Sér. Sci. Math. 10 (1962), 201–204; MR 26 # 6384.
- [18] (with Bielecki, A.,; Lewandowski, Z.) *On typically-real functions with a preassigned second coefficient.* Ibid. 205–208; MR 25 # 2182.
- [19] *The radius of close-to-convexity for univalent functions.* International Congress of Mathematicians Stockholm 1962, Abstracts of Short Communications, p. 88.
- [20] *A counterexample concerning univalent functions.* Folia Societatis Scientiarum Lublinensis 2(1962), 57–58.
- [21] *Some remarks concerning my paper: On univalent functions with two preassigned values.* Ann. Univ. Mariae Curie-Skłodowska Sect. A 16 (1962), 129–136; MR 29 # 2380.
- [22] *On the derivative of close-to-convex functions.* Colloq. Math. 10 (1963), 139–142; MR 26 # 6385.
- [23] (with Lewandowski, Z.) *On the integral of univalent functions.* Bull. Acad. Polon. Sci. Sér. Sci. Math. 11 (1963), 447–448; MR 27 # 3791.
- [24] *On the region of variability of the ratio $f(z_1)/f(z_2)$ within the class of univalent functions.* Ann. Univ. Mariae Curie-Skłodowska Sect. A 17 (1963), 55–64; MR 34 # 328.
- [25] *Some remarks on close-to-convex functions.* Bull. Acad. Polon. Sci. Sér. Sci. Math. 12 (1964), 25–28; MR 28 # 5174.
- [26] (with Reade, M. O.) *The radius of univalence of certain analytic functions.* Michigan Math. J. 11 (1964), 157–159; MR 29 # 237.
- [27] *On the region of variability of the ratio $f(z_1)/f(z_2)$ within the class of univalent functions.* International Congress of Mathematicians Moscow 1966. Abstracts of Brief Scientific Communications, Section 4, p. 16.

- [28] (with Reade, M. O.) *On Koebe domains for some classes of univalent functions*. Ibid. p. 22.
- [29] *On a theorem of Kubo concerning functions regular in an annulus*. Colloq. Math. 16 (1967), 43–47; MR 35 # 1767.
- [30] (with Reade, M. O.) *Koebe domains for certain classes of analytic functions*. J. Analyse Math. 18 (1967), 185–195; MR 35 # 3050.
- [31] (with Rahman, Q. I.) *Univalent polynomials of small degree*. Ann. Univ. Mariae Curie-Skłodowska Sect. A 21 (1967), 79–90; MR 48 # 11471.
- [32] *On an extremal problem of F. W. Gehring*. Bull. Acad. Polon. Sci. Sér. Sci. Math. 16 (1968), 95–97; MR 37 # 1592.
- [33] (with Ławrynowicz, J.) *Quasiconformal mappings of the disc with two invariant points*. Michigan Math. J. 14 (1967), 487–492; MR 36 # 5341; MR 39 # 5791.
- [34] *An extremal length problem and its applications*. Proceedings of the NRL Conference on Classical Function Theory, Washington D. C. 1970, 143–155; MR 48 # 8781.
- [35] (with Złotkiewicz, E.) *Koebe sets for univalent functions with two preassigned values*. Ann. Acad. Sci. Fenn. Ser. A1 Math. No. 487 (1971), 12 pp.; MR 43 # 7612.
- [36] *An extremal length problem*. Ann. Univ. Mariae Curie-Skłodowska Sect. A 22–24 (1968–70), 95–103; MR 49 # 5338.
- [37] *The Green function of domains containing a fixed ellipse*. Michigan Math. J. 20 (1973), 13–19; MR 46 # 9314.
- [38] *Convolution and quasiconformal extension*. Comment. Math. Helv. 51 (1976), 99–104; MR 53 # 3298.
- [39] (with Fajt, M.; Zygmunt, J.) *Explicit quasiconformal extensions for some classes of univalent functions*. Ibid. 279–285; MR 54 # 10587.
- [40] *Symmetrization and harmonic measure*. Ann. Polon. Math. 33 (1976), 170–172.
- [41] (with Złotkiewicz, E.) *Two remarks on typically-real functions*. Ann. Univ. Mariae Curie-Skłodowska Sect. A 30 (1976), 57–61.
- [42] *Über schlichte quasikonform fortsetzbare Funktionen*. Komplexe Analysis und ihre Anwendung auf partielle Differentialgleichungen. Martin-Luther-Universität Halle-Wittenberg Wissenschaftliche Beiträge 1977, 27 (M 9), Halle (Saale) 1977, 33–35.
- [43] (with Stankiewicz, J.) *Quasibordination and quasimajorization*. Ann. Univ. Mariae Curie-Skłodowska Sect. A 31 (1977), 71–74.
- [44] (with Libera, R. J.; Złotkiewicz, E.) *Coefficients of inverses of regular starlike functions*. Ibid. 33 (1979), 103–110.
- [45] *Koeffizientenabschätzungen für die Potenzen von schlichten Funktionen und ihrer Umkehrfunktionen*. Komplexe Analysis und ihre Anwendung auf partielle Differentialgleichungen. Martin-Luther-Universität Halle-Wittenberg Wissenschaftliche Beiträge 1980/21 (M 18), Halle (Saale) 1980, p. 54.
- [46] *Coefficient estimates for powers of univalent functions and their inverses*. Ann. Univ. Mariae Curie-Skłodowska Sect. A 34 (1980), 73–81.
- [47] (with A. K. Sani) *Close-to-convex functions with quasiconformal extension*. Proceedings of the 8-th Conference on Analytic Functions Białejewko 1982, Springer Lecture Notes No 1039, Springer Verlag, Berlin-Heidelberg-New York-Tokyo 1983, 320–327.
- [48] *John's criterion of univalence and a problem of Robertson*, Compl. Variables 3 (1984), 173–183.
- [49] *Conjugate holomorphic eigenfunctions and extremal quasiconformal reflection*, Ann. Acad. Sci. Fenn. Ser. A I Math. 10 (1984), 299–305.
- [50] (with Rahman, Q. I.) *On pointwise bounded families of analytic functions*, Ann. Univ. Mariae Curie-Skłodowska Sect. A 38 (1984), to appear.
- [51] *Generalized Fredholm eigenvalues of a Jordan curve*, Ann. Polon. Math. 46 (1985), to appear.
- [52] *Quasiconformal extensions of some special univalent functions*, Colloq. Math., to appear.
- [53] *Parametric representation of Charzyński polynomials*, Bull. de la Soc. des Sci. et des Lettr. de Łódź, to appear.
- [54] *On Charzyński polynomials of small degree*, Compl. Variables, to appear.

B. Expository papers; biographical notes

- [1] (with Bielecki, A.) *Mieczysław Biernacki and his papers in function theory and the theory of polynomials*. (Polish) *Folia Societatis Scientiarum Lublinensis* 1 (1961), 71–77.
- [2] *Mieczysław Biernacki 1891–1959*. (Polish) *Wiadomości Matematyczne* 5 (1961), 1–14.
- [3] (with Bielecki, A.) *Sur les travaux de Mieczysław Biernacki de la théorie des fonctions analytiques et de celle des polynomes*. *Colloq. Math.* 9 (1962), 365–372; MR 25 # 4984.
- [4] *On some recent results in the theory of analytic functions*. *Ibid.* 11 (1964), 147–150, MR 29 # 1319.
- [5] *On close-to-convex functions*. *Symposia on Theoretical Physics and Mathematics* 10 (1969), 23–27; MR 41 # 5610.

C. Textbooks and lecture notes

- [1] *A Collection of Problems in Analytic Functions*. (Polish) Państwowe Wydawnictwo Naukowe, Warszawa. 1-st Ed. 1965, 267 pp.; 2-nd Ed. 1968, 267 pp.; 3-rd Ed. 1972, 294 pp.; 4-th Ed. 1975, 312 pp.
- [2] (with Ławrynowicz, J.) *Extremal Length Method and its Applications*. (Polish) First Summer School in Analytic Functions at Uniejów, Łódź 1969, 19–83.
- [3] *Problems in Complex Variable Theory*. American Elsevier Publ. Co., New York 1971, 283 pp.; MR 56 # 5844.
- [4] (with Ławrynowicz, J.) *Parametric and Variational Methods for Quasiconformal Mappings in the Plane I*. (Polish) Second Summer School in Analytic Functions at Św. Katarzyna, Łódź 1973, 3–98.
- [5] *Lectures on Selected Topics in Complex Analysis*. Lectures held at the University of Maryland in Spring Semester 1974 (mimeographed), 168 pp.
- [6] (with Ławrynowicz, J.) *Parametric and Variational Methods for Quasiconformal Mappings in the Plane II*. (Polish) Third Summer School in Analytic Functions at Podlesice, Łódź 1977, 37–134.
- [7] (with Ławrynowicz, J.) *Elements of Complex Analysis*. (Polish) Wydawnictwa Naukowo-Techniczne, Warszawa 1981, 360 pp.
- [8] (with Ławrynowicz, J.) *Quasiconformal Mappings in the Plane. Parametrical Methods*. Lecture Notes in Mathematics No 978, Springer Verlag, Berlin–Heidelberg–New York–Tokyo 1983, 179 pp.