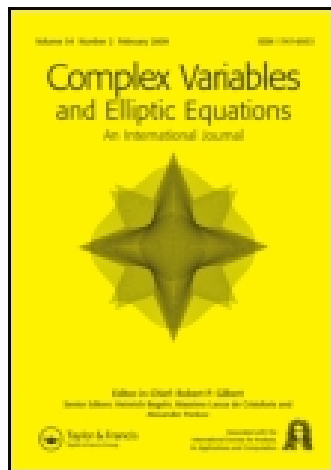


This article was downloaded by: [University of Tasmania]

On: 14 November 2014, At: 06:40

Publisher: Taylor & Francis

Informa Ltd Registered in England and Wales Registered Number: 1072954 Registered office: Mortimer House, 37-41 Mortimer Street, London W1T 3JH, UK



Complex Variables and Elliptic Equations: An International Journal

Publication details, including instructions for authors and subscription information:

<http://www.tandfonline.com/loi/gcov20>

Publications: Peter Duren

Published online: 19 Oct 2007.

To cite this article: (2007) Publications: Peter Duren, *Complex Variables and Elliptic Equations: An International Journal*, 52:2-3, 111-115, DOI: [10.1080/17476930601063487](https://doi.org/10.1080/17476930601063487)

To link to this article: <http://dx.doi.org/10.1080/17476930601063487>

PLEASE SCROLL DOWN FOR ARTICLE

Taylor & Francis makes every effort to ensure the accuracy of all the information (the "Content") contained in the publications on our platform. However, Taylor & Francis, our agents, and our licensors make no representations or warranties whatsoever as to the accuracy, completeness, or suitability for any purpose of the Content. Any opinions and views expressed in this publication are the opinions and views of the authors, and are not the views of or endorsed by Taylor & Francis. The accuracy of the Content should not be relied upon and should be independently verified with primary sources of information. Taylor and Francis shall not be liable for any losses, actions, claims, proceedings, demands, costs, expenses, damages, and other liabilities whatsoever or howsoever caused arising directly or indirectly in connection with, in relation to or arising out of the use of the Content.

This article may be used for research, teaching, and private study purposes. Any substantial or systematic reproduction, redistribution, reselling, loan, sub-licensing, systematic supply, or distribution in any form to anyone is expressly forbidden. Terms & Conditions of access and use can be found at <http://www.tandfonline.com/page/terms-and-conditions>

Publications: Peter Duren

- [1] Spectral theory of a class of non-selfadjoint infinite matrix operators, PhD thesis, Massachusetts Institute of Technology, Cambridge, MA, 1960.
- [2] Extension of a result of Beurling on invariant subspaces. *Transactions of the American Mathematical Society*, **99**, 1961, 320–324.
- [3] On the theory of Wiener–Hopf operators, Stanford University, Applied Mathematics and Statistics, Technical Report No. 104 (1961), 14 pp.
- [4] Coefficient estimates for univalent functions. *Proceedings of the American Mathematical Society*, **13**, 1962, 168–169.
- [5] A variational method for functions schlicht in an annulus (with M.M. Schiffer). *Archive for Rational Mechanics and Analysis*, **9**, 1962, 260–272.
- [6] The theory of the second variation in extremum problems for univalent functions (with M.M. Schiffer). *Journal d'Analyse Mathématique*, **10**, 1962/63, 193–252.
- [7] Invariant subspaces of tridiagonal operators. *Duke Mathematical Journal*, **30**, 1963, 239–248.
- [8] Two inequalities involving elliptic functions. *American Mathematical Monthly*, **70**, 1963, 650–651.
- [9] Distortion in certain conformal mappings of an annulus. *Michigan Mathematical Journal*, **10**, 1963, 431–441.
- [10] On the spectrum of a Toeplitz operator. *Pacific Journal of Mathematics*, **14**, 1964, 21–29.
- [11] An arclength problem for close-to-convex functions. *Journal of the London Mathematical Society*, **39**, 1964, 757–761.
- [12] On the Marx conjecture for starlike functions. *Transactions of the American Mathematical Society*, **118**, 1965, 331–337.
- [13] Polynomials orthogonal over a curve. *Michigan Mathematical Journal*, **12**, 1965, 313–316.
- [14] Smoothness of functions generated by Riesz products. *Proceedings of the American Mathematical Society*, **16**, 1965, 1263–1268.
- [15] Addendum: an arclength problem for close-to-convex functions (with J. Clunie). *Journal of the London Mathematical Society*, **41**, 1966, 181–182.
- [16] Singular measures and domains not of Smirnov type (with H.S. Shapiro and A.L. Shields). *Duke Mathematical Journal*, **33**, 1966, 247–254.
- [17] Extension of a theorem of Carleson. *Bulletin of the American Mathematical Society*, **75**, 1969, 143–146.
- [18] On the Bloch–Nevanlinna conjecture. *Colloquium Mathematicum*, **20**, 1969, 295–297.
- [19] On the multipliers of H^p spaces. *Proceedings of the American Mathematical Society*, **22**, 1969, 24–27.
- [20] Linear functionals on H^p spaces with $0 < p < 1$ (with B.W. Romberg and A.L. Shields). *Journal für die Reine und Angewandte Mathematik*, **238**, 1969, 32–60.
- [21] Properties of H^p ($0 < p < 1$) and its containing Banach space (with A.L. Shields). *Transactions of the American Mathematical Society*, **141**, 1969, 255–262.
- [22] Coefficient multipliers of H^p and B^p spaces (with A.L. Shields). *Pacific Journal of Mathematics*, **32**, 1970, 69–78.
- [23] Mean growth and coefficients of H^p functions (with G.D. Taylor). *Illinois Journal of Mathematics*, **14**, 1970, 419–423.
- [24] Theory of H^p Spaces, Academic Press, New York, 1970. xii + 258 pp.
- [25] Schwarzian derivatives and homeomorphic extensions (with O. Lehto). *Annales Academiae Scientiarum Fennicae*, **477**, 1970, 3–11.
- [26] Coefficients of meromorphic schlicht functions. *Proceedings of the American Mathematical Society*, **28**, 1971, 169–172.
- [27] On a class of schlicht functions (with G.E. Schober). *Michigan Mathematical Journal*, **18**, 1971, 353–356.
- [28] Interpolation problems in function spaces (with D.L. Williams). *Journal of Functional Analysis*, **9**, 1972, 75–86.
- [29] Interpolation in H^p spaces (with H.S. Shapiro). *Proceedings of the American Mathematical Society*, **31**, 1972, 162–164.
- [30] Smirnov domains and conjugate functions. *Journal of Approximation Theory*, **5**, 1972, 393–400.

- [31] Two-slit mappings and the Marx conjecture (with R. McLaughlin). *Michigan Mathematical Journal*, **19**, 1972, 267–273.
- [32] Graduate education in mathematics in the coming decade. *Notices of the American Mathematical Society*, **20**, 1973, 125–127.
- [33] Estimation of coefficients of univalent functions by a Tauberian remainder theorem. *Journal of the London Mathematical Society*, **8**, 1974, 279–282.
- [34] Restrictions of H^p functions to the diagonal of the polydisc (with A.L. Shields). *Duke Mathematical Journal*, **42**, 1975, 751–753.
- [35] Asymptotic behavior of coefficients of univalent functions. In *Advances in Complex Function Theory, Maryland 1973/74*, Lecture Notes in Math. No. 505 (Springer-Verlag, New York, 1976), pp. 17–23.
- [36] Applications of the Garabedian–Schiffer inequality. *Journal d'Analyse Mathématique*, **30**, 1976, 141–149.
- [37] Subordination. In *Complex Analysis, Kentucky 1976*, Lecture Notes in Math. No. 599 (Springer-Verlag, New York, 1977), pp. 22–29.
- [38] Coefficients of univalent functions. *Bulletin of the American Mathematical Society*, **83**, 1977, 891–911.
- [39] Editor's Supplement to Part I, in English translation of I.M. Milin. *Univalent Functions and Orthonormal Systems* (American Mathematical Society, Providence, R.I., 1977), 101–103; 200–202.
- [40] Extreme points of spaces of univalent functions. In *Linear Spaces and Approximation (Oberwolfach 1977)*, International Series of Numerical Mathematics (Birkhäuser Verlag, Basel, 1978), pp. 471–477.
- [41] Logarithmic coefficients of univalent functions (with Y.J. Leung). *Journal d'Analyse Mathématique*, **36**, 1979, 36–43.
- [42] Successive coefficients of univalent functions. *Journal of the London Mathematical Society*, **19**, 1979, 448–450.
- [43] Nonvanishing univalent functions (with Glenn Schober). *Mathematische Zeitschrift*, **170**, 1980, 195–216.
- [44] Extremal problems for univalent functions. In *Aspects of Contemporary Complex Analysis* (D.A. Brannan and J.G. Clunie, editors; Academic Press, London and New York, 1980), pp. 181–208.
- [45] Arcs omitted by support points of univalent functions. *Commentarii Mathematici Helvetici*, **56**, 1981, 352–365.
- [46] Nonvanishing univalent functions II (with Glenn Schober). *Annales Universitatis Mariae Curie-Skłodowska*, **36/37**, (1982/1983), 33–43.
- [47] Support points with maximum radial angle (with Y.J. Leung and M.M. Schiffer). *Complex Variables, Theory and Application*, **1**, 1983, 263–277.
- [48] *Univalent Functions*. Springer-Verlag, New York, 1983. xiv + 382 pp.
- [49] Truncation of support points for univalent functions (with Louis Brickman). *Complex Variables, Theory and Application*, **3**, 1984, 71–83.
- [50] Support points of univalent functions. In *Linear and Complex Analysis Problem Book*, Lecture Notes in Math. No. 1043 (Springer-Verlag, Berlin, 1984), pp. 636–637.
- [51] Nonvanishing univalent functions III (with Glenn Schober). *Annales Academiae Scientiarum Fennicae*, **10**, 1985, 139–147.
- [52] Truncation, in *Topics in Complex Analysis* (D. Shaffer, editor). *Contemporary Mathematics*, vol. 38 (American Mathematical Society, Providence, RI, 1985), pp. 23–29.
- [53] Random series and bounded mean oscillation. *Michigan Mathematical Journal*, **32**, 1985, 81–86.
- [54] Regions of variability for univalent functions (with Ayşenur Ünal). *Transactions of the American Mathematical Society*, **295**, 1986, 119–126.
- [55] Distortion in several variables (with W. Rudin). *Complex Variables, Theory and Application*, **5**, 1986, 323–326.
- [56] Generalized support points of the set of univalent functions (with Y.J. Leung). *Journal d'Analyse Mathématique*, **46**, 1986, 94–108.
- [57] *The Bieberbach Conjecture: Proceedings of the Symposium on the Occasion of the Proof* (edited by A. Baernstein, D. Drasin, P. Duren and A. Marden), American Mathematical Society, Providence, RI, 1986. xvi + 218 pp.
- [58] A variational method for harmonic mappings onto convex regions (with Glenn Schober). *Complex Variables, Theory and Application*, **9**, 1987, 153–168.
- [59] Complex numbers and complex variables [report on the proof of the Bieberbach conjecture]. In *1988 McGraw-Hill Yearbook of Science and Technology* (McGraw-Hill, New York, 1987), 70–72.
- [60] Grunsky inequalities for univalent functions with prescribed Hayman index (with M.M. Schiffer). *Pacific Journal of Mathematics*, **131**, 1988, 105–117.
- [61] *A Century of Mathematics in America, Part I* (edited by P. Duren, with the assistance of R. Askey and U. Merzbach), American Mathematical Society, Providence, RI, 1988. viii + 477 pp.
- [62] *Theory of H^p Spaces*, Chinese translation (edited by X.C. Shen), Nanjing Institute of Technology Press, Nanjing, China, 1988.

- [63] Conformal mappings onto nonoverlapping regions (with M.M. Schiffer). In *Complex Analysis: Articles Dedicated to Albert Pfluger on the Occasion of his 80th Birthday* (edited by J. Hersch and A. Huber), Birkhäuser Verlag, Basel, 1988, pp. 27–39.
- [64] Inequalities for logarithmic coefficients of univalent functions and their derivatives (with V.V. Andreev). *Indiana University Mathematics Journal*, **37**, 1988, 721–733.
- [65] Linear extremal problems for harmonic mappings of the disk (with Glenn Schober). *Proceedings of the American Mathematical Society*, **106**, 1989, 967–973.
- [66] *A Century of Mathematics in America, Part II* (edited by P. Duren with the assistance of R. Askey and U. Merzbach), American Mathematical Society, Providence, RI, 1989. x + 585 pp.
- [67] *A Century of Mathematics in America, Part III* (edited by P. Duren with the assistance of R. Askey, H.M. Edwards, and U. Merzbach), American Mathematical Society, Providence, RI, 1989. ix + 675 pp.
- [68] Smirnov domains. In *Issledovaniya po Lineinim Operatoram i Teorii Funktsii. 17* (edited by N.K. Nikolskii); *Zap. Nauchn. Sem. Leningrad. Otdel. Mat. Inst. Steklov. (LOMI)*, **170**, 1989, 95–101, 322.
- [69] Harmonic mappings in the plane, Notes on lectures at University of New Hampshire, February–March 1990, 6 pp. [circulated informally]
- [70] In remembrance of Allen Shields. *The Mathematical Intelligencer*, **12**, 1990, No. 2, 11–14.
- [71] Sharpened forms of the Grunsky inequalities (with M.M. Schiffer.), *Journal d'Analyse Mathématique*, **55**, 1990, 96–116.
- [72] Goluzin inequalities and minimum energy for mappings onto nonoverlapping regions (with M.M. Schiffer). *Annales Academiae Scientiarum Fennicae. Series A.I.*, **15**, 1990, 133–150.
- [73] Univalent functions which map onto regions of given transfinite diameter (with M.M. Schiffer). *Transactions of the American Mathematical Society*, **323**, 1991, 413–428.
- [74] Robin functions and energy functionals of multiply connected domains (with M.M. Schiffer). *Pacific Journal of Mathematics*, **148**, 1991, 251–273.
- [75] The Legendre relation for elliptic integrals. In *Paul Halmos: Celebrating 50 Years of Mathematics*, Springer-Verlag, New York, 1991, pp. 305–315.
- [76] Contractive zero-divisors in Bergman spaces (with D. Khavinson, H.S. Shapiro, and C. Sundberg). In *The Madison Symposium on Complex Analysis*, Contemporary Math. vol. 137, American Mathematical Society, Providence, RI, 1992, pp. 217–220. [summary]
- [77] A survey of harmonic mappings in the plane. *Texas Tech University Mathematics Series, Visiting Scholars' Lectures 1990–1992*, vol. 18 (1992), pp. 1–15.
- [78] Conformal mapping. In *McGraw-Hill Encyclopedia of Science and Technology*, 7th Edn (1992), vol. 4, pp. 314–316.
- [79] Contractive zero-divisors in Bergman spaces (with D. Khavinson, H.S. Shapiro, and C. Sundberg). *Pacific Journal of Mathematics*, **157**, 1993, 37–56.
- [80] Glenn Edward Schober (1938–1991) (with Y.J. Leung). *Complex Variables, Theory and Application*, **21**, 1993, 125–129.
- [81] Robin functions and distortion of capacity under conformal mapping (with M.M. Schiffer). *Complex Variables, Theory and Application*, **21**, 1993, 189–196.
- [82] Book Review of *Inequalities: Fifty Years from Hardy, Littlewood and Pólya*, edited by W. Norrie Everitt (Marcel Dekker, New York, 1991). *Siam Review*, **35**, 1993, 315–316.
- [83] *Golden Years of Moscow Mathematics* (edited by S. Zdravkovska and P.L. Duren), American Mathematical Society and London Mathematical Society, Providence, R.I., 1993. ix + 271 pp.
- [84] Robin capacity and extremal length (with John Pfaltzgraff). *Journal of Mathematical Analysis and Applications*, **179**, 1993, 110–119.
- [85] An inequality for complete elliptic integrals (with G.D. Anderson and M.K. Vamanamurthy). *Journal of Mathematical Analysis and Applications*, **182**, 1994, 257–259.
- [86] Harmonic mappings in the plane. In *Linear and Complex Analysis Problem Book 3, Part II* (edited by V.P. Havin and N.K. Nikolskii), Lecture Notes in Math. No. 1574, Springer-Verlag, Berlin, 1994, pp. 408–409.
- [87] Invariant subspaces in Bergman spaces and the biharmonic equation (with D. Khavinson, H.S. Shapiro, and C. Sundberg). *Michigan Mathematical Journal*, **41**, 1994, 247–259.
- [88] Extremal functions in invariant subspaces of Bergman spaces (with D. Khavinson and H.S. Shapiro). *Illinois Journal of Mathematics*, **40**, 1996, 202–210.
- [89] A decomposition theorem for planar harmonic mappings (with Walter Hengartner). *Proceedings of the American Mathematical Society*, **124**, 1996, 1191–1195.
- [90] The argument principle for harmonic functions (with W. Hengartner and R.S. Laugesen). *American Mathematical Monthly*, **103**, 1996, 411–415.
- [91] A Short Course on Bergman Spaces, notes for lectures at Norwegian University of Science and Technology, Trondheim, September 1996, 68 pp. [circulated informally]
- [92] Boundary correspondence and dilatation of harmonic mappings (with Dmitry Khavinson). *Complex Variables, Theory and Application*, **33**, 1997, 105–111.

- [93] Harmonic mappings of multiply connected domains (with Walter Hengartner). *Pacific Journal of Mathematics*, **180**, 1997, 201–220.
- [94] Physical interpretation and further properties of Robin capacity (with J. Pfaltzgraff and R.E. Thurman). *Algebra i Analiz*, **9**(3), (1997), 211–219 (*St. Petersburg Mathematical Journal*, **9**, 1998, 607–614).
- [95] *Quasiconformal Mappings and Analysis: A Collection of Papers Honoring F.W. Gehring* (edited by Peter Duren, Juha Heinonen, Brad Osgood, and Bruce Palka), Springer-Verlag, New York, 1997.
- [96] F.W. Gehring: A biographical sketch. In *Quasiconformal Mappings and Analysis: A Collection of Papers Honoring F.W. Gehring*, Springer-Verlag, New York, 1997, pp. 1–4.
- [97] Robin capacity. In *Computational Methods and Function Theory 1997* (edited by N. Papamichael, St. Ruscheweyh, and E.B. Saff), World Scientific Publishing Co., Singapore, 1999, pp. 177–190.
- [98] Hyperbolic capacity and its distortion under conformal mapping (with John Pfaltzgraff). *Journal d'Analyse Mathématique*, **78**, 1999, 205–218.
- [99] Harmonic shears of regular polygons by hypergeometric functions (with Kathy Driver). *Journal of Mathematical Analysis and Applications*, **239**, 1999, 72–84.
- [100] Asymptotic zero distribution of hypergeometric polynomials (with Kathy Driver). *Numerical Algorithms*, **21**, 1999, 147–156.
- [101] Zeros of the hypergeometric polynomials $F(-n, b; 2b; z)$ (with Kathy Driver). *Indagationes Mathematicae*, **11**, 2000, 43–51.
- [102] *Theory of H^p Spaces*. 2nd Edn [corrected reprint of 1970 edition, with supplement], Dover Publications, Mineola, N.Y., 2000.
- [103] Harmonic mappings related to Scherk's saddle-tower minimal surfaces (with W.R. Thygeron). *Rocky Mountain Journal of Mathematics*, **30**, 2000, 555–564.
- [104] Uniform densities of regular sequences in the unit disk (with A.P. Schuster and K. Seip). *Transactions of the American Mathematical Society*, **352**, 2000, 3971–3980.
- [105] Trajectories of the zeros of hypergeometric polynomials $F(-n, b; 2b; z)$ for $b < -1/2$ (with Kathy Driver). *Constructive Approximation*, **17**, 2001, 169–179.
- [106] Zeros of ultraspherical polynomials and the Hilbert–Klein formulas (with Kathy Driver). *Journal of Computational and Applied Mathematics*, **135**, 2001, 293–301.
- [107] Asymptotic properties of zeros of hypergeometric polynomials (with Bertrand Guillou). *Journal of Approximation Theory*, **111**, 2001, 329–343.
- [108] Zeros of hypergeometric functions (with Kathryn Boggs). *Computational Methods and Function Theory*, **1**, 2001, 275–287.
- [109] Finite unions of interpolation sequences (with A.P. Schuster). *Proceedings of the American Mathematical Society*, **130**, 2002, 2609–2615.
- [110] Multiplication invariant subspaces of the Bergman space (with Brent Carswell and Michael Stessin). *Indiana University Mathematics Journal*, **51**, 2002, 931–961.
- [111] Reminiscences of Gian-Carlo Rota. In *Gian-Carlo Rota on Analysis and Probability: Selected Papers and Commentaries* (edited by J. Dhombres, J. Kung, and N. Starr), Birkhäuser Verlag, Boston, 2003, pp. xxiii–xxv.
- [112] Elliptic capacity and its distortion under conformal mapping (with Reiner Kühnau). *Journal d'Analyse Mathématique*, **89**, 2003, 317–335.
- [113] The Schwarzian derivative for harmonic mappings (with Martin Chuaqui and Brad Osgood). *Journal d'Analyse Mathématique*, **91**, 2003, 329–351.
- [114] *Bergman Spaces* (with Alexander Schuster), American Mathematical Society, Providence, RI, 2004. x + 318 pp.
- [115] *Harmonic Mappings in the Plane*, Cambridge University Press, Cambridge, UK, 2004. xii + 212 pp.
- [116] Curvature properties of planar harmonic mappings (with Martin Chuaqui and Brad Osgood). *Computational Methods and Function Theory*, **4**, 2004, 127–142.
- [117] Ellipses, near ellipses, and harmonic Möbius transformations (with Martin Chuaqui and Brad Osgood). *Proceedings of the American Mathematical Society*, **133**, 2005, 2705–2710.
- [118] On uniformly discrete sequences in the disk (with Alexander Schuster and Dragan Vukotić). In *Quadrature Domains and Their Applications* (edited by P. Ebenfelt, B. Gustafsson, D. Khavinson, and M. Putinar), *Operator Theory: Advances and Applications*, **156**, 2005, 105–124.
- [119] Harmonic mappings onto stars (with Jane McDougall and Lisbeth Schaubroeck). *Journal of Mathematical Analysis and Applications*, **307**, 2005, 312–320.
- [120] The pseudohyperbolic metric and Bergman spaces in the ball (with Rachel Weir). *Transactions of the American Mathematical Society*, **359**, 2007, 63–76.
- [121] Univalence criteria for lifts of harmonic mappings to minimal surfaces (with Martin Chuaqui and Brad Osgood). *Journal of Geometric Analysis* (To appear).
- [122] A Paley–Wiener theorem for Bergman spaces with application to invariant subspaces (with Eva Gallardo-Gutiérrez and Alfonso Montes-Rodríguez). *Bulletin of the London Mathematical Society* (To appear).

- [123] Schwarzian derivative criteria for valence of analytic and harmonic mappings (with Martin Chuaqui and Brad Osgood). *Mathematical Proceedings of the Cambridge Philosophical Society*, (To appear).
- [124] Multiplicative isometries and isometric zero-divisors of function spaces in the disk (with A. Aleman, Maria José Martín and Dragan Vukotić) (Preprint).
- [125] Schwarzian derivatives and uniform local univalence (with Martin Chuaqui and Brad Osgood). *Computational Methods and Function Theory* (To appear).
- [126] Robert Jentzsch, mathematician and poet (with Anne-Katrin Herbig and Dmitry Khavinson) (Preprint).
- [127] Injectivity criteria for holomorphic curves in \mathbb{C}^n (with Martin Chuaqui and Brad Osgood) (Preprint).

Peter Duren