Publications of Paul Nevai

1. The de La Vallée Poussin operator and trigonometric polynomial operations, in Hungarian, prize winning work submitted to the 1970 Hungarian Scientific Student Conference (OTDK), 1969, 23 pages, unpublished, scanned & e-published in 09/2013, arXiv:math/TBA.

2. Lagrange interpolation based on the zeros of Laguerre polynomials, in Hungarian, Mat. Lapok 22 (1971), 149–164. MR 48:2620

3. Some cases when trigonometric interpolation gives approximation of the best order, in Russian, Studia Sci. Math. Hungar. 7 (1972), 379–390. MR 49:11125

4. An asymptotic formula for the convergence of trigonometric interpolation, in Russian, Studia Sci. Math. Hungar. 7 (1972), 391–394. MR 48:9221

5. On the deviation of trigonometric interpolation sums, in Russian, Acta Math. Acad. Sci. Hungar. 23 (1972), 203–205. MR 48:781

6. A note on a theorem of G. I. Natanson, in Russian, Acta Math. Acad. Sci. Hungar. 23 (1972), 219–221. MR 47:9141

7. Hermite-Fejér interpolation process based on the zeros of Hermite polynomials, in Russian, Acta Math. Acad. Sci. Hungar. 23 (1972), 247–253. MR 48:2621

8. One–sided approximation by polynomials with applications, in German, Acta Math. Acad. Sci. Hungar. 23 (1972), 496–506. MR 49:933

9. Lagrange interpolation on the real line, in Hungarian, Mat. Lapok 23 (1972), 143–146. MR 50:2747

10. Fourier series and interpolation, I (Fourier series and trigonometric Lagrange interpolation), in Hungarian, Mat. Lapok 23 (1972), 261–290. MR 51:6262

11. Fourier series and interpolation, II (Polynomial Lagrange interpolation), in Hungarian, Mat. Lapok 24 (1973), 49–61. MR 53:8764

12. One–sided approximation by polynomials in $(0, \infty)$, in German, Periodica Math. 4 (1973), 147–156. MR 51:1208

13. Trigonometric interpolation at equidistant points, in Hungarian, Magyar Tud. Akad. III. Oszt. Közl. 21 (1973), 449–484. MR 48:6792

14. One–sided approximation by polynomials, III (with G. Freud), in German, Acta Sci. Math. Szeged 35 (1973), 65–72. MR 49:943

15. On an inequality of G. Freud, in Russian, Annales Univ. Bud. R. Eötvös, Sect. Math. 16 (1973), 87–92. MR 50:7937

16. Notes on trigonometric interpolation and Fourier sums, in Russian, Studia Sci. Math. Hungar. 8 (1973), 113–122. MR 48:6793

17a. Some properties of orthogonal polynomials corresponding to the weight $(1 + x^{2k})^\alpha \exp(-x^{2k})$ and their application in approximation theory, in Russian, Doklady Akad. Nauk SSSR 211 (1973), 784–786. MR 49:3380

17b. Some properties of orthogonal polynomials corresponding to the weight $(1 + x^{2k})^\alpha \exp(-x^{2k})$ and their application in approximation theory, Soviet Math. Dokl. 14 (1973), 1116–1119. MR 49:3380

18. Lagrange interpolation based on the zeros of Hermite polynomials, in Russian, Acta Math. Acad. Sci. Hungar. 24 (1973), 209–213. MR 47:3878

19. Orthogonal polynomials on the real line associated with the weight $|x|^\alpha exp(-|x|^\beta)$, I, in Russian, Acta Math. Acad. Sci. Hungar. 24 (1973), 335–342. MR 48:8896

20. On the Dini–Lipschitz convergence test, in Russian, Acta Math. Acad. Sci. Hungar. 24 (1973), 349–351. MR 49:3415

21. Approximation of periodic functions of several variables, I, in Russian, Acta Math. Acad. Sci. Hungar.

24 (1973), 407–416. MR 54:3289

22. Weighted L^1 and one–sided weighted L^1 polynomial approximation on the real line (with G. Freud), in Hungarian, Magyar Tud. Akad. III. Oszt. Közl. 21 (1973), 485–502. MR 48:9182

23. On convergence of Lagrange interpolation based on Laguerre nodes, in Russian, Publ. Math. Debrecen 20 (1973), 235–239. MR 48:9175

24. *Fourier Series and Interpolation*, in Hungarian, Ph. D. Dissertation, Budapest, 1973.

25. Notes on interpolation, in Russian, Acta Math. Acad. Sci. Hungar. 25 (1974), 123–144. MR 52:3799

26. A new proof of Riemann's localization principle, Acta Math. Acad. Sci. Hungar. 25 (1974), 145. MR 51:1260

27. Localization theorems for convergence of Lagrange interpolation based on the zeros of Hermite polynomials, in Russian, Acta Math. Acad. Sci. Hungar. 25 (1974), 341–361. MR 50:13977

28. On summability of Fourier transforms, Acta Math. Acad. Sci. Hungar. 25 (1974), 415–418. MR 50:5351

29. Two theorems on Fourier sums, in Russian, Studia Sci. Math. Hungar. 8 (1973), 323–328. MR 51:1245

30. On a theorem of A. C. Offord and its analogue for Fourier series, Arkiv för Matematik 12 (1974), 221–233. MR 51:3782

31. Trigonometric interpolation at equidistant nodes, in *Approximation Theory*, Z. Ciesielski and J. Musielak, eds., D. Reidel Publ. Co., Boston, 1975, 153–155. MR 56:6256

32. On an interpolation process with applications to Fourier series (with O. Kis), Acta Math. Acad. Sci. Hungar. 26 (1975), 385–403. MR 53:6206

33. On Fourier series, Mathematica, Revue d'Analyse Numérique et de Théorie de l'Approximation 5 (1976), 181–188. MR 58:6876

34. Mean convergence of Lagrange interpolation, J. Approx. Theory 18 (1976), 363–377. MR 54:13375

35. Lagrange interpolation at zeros of orthogonal polynomials, in *Approximation Theory II*, G. G. Lorentz, C. K. Chui, and L. L. Schumaker, eds., Academic Press, New York, 1976, 163–201. MR 54:13374

36. Orthogonal polynomials, in *Problems in Approximation Theory* by G. G. Lorentz, Lecture Notes in Mathematics, The University of Arkansas, Fayetteville, Arkansas, 1977, 65–77. MR 57:6948

37a. *Orthogonal Polynomials*, MRC Technical Summary Report #1726, University of Wisconsin, Madison, Wisconsin, 1977, 1–231.

37b. *Orthogonal Polynomials*, Memoirs Amer. Math. Soc. 213 (1979), 1–185. MR 80k:42025

38a. On an extremal problem, MRC Technical Summary Report #1712, University of Wisconsin, Madison, Wisconsin, 1977, 1–8.

38b. On an extremal problem, Proc. Amer. Math. Soc. 74 (1979), 301–306. MR 81e:42035

39a. Bernstein's inequality in L^p for $0 < p < 1$, MRC Technical Summary Report #1728, University of Wisconsin, Madison, Wisconsin, 1977, 1–5.

39b. Bernstein's inequality in L^p for $0 < p < 1$, J. Approx. Theory 27 (1979), 239–243. MR 80m:41009

40a. On orthogonal polynomials, MRC Technical Summary Report #1760, University of Wisconsin, Madison, Wisconsin, 1977, 1–5.

40b. On orthogonal polynomials, J. Approx. Theory 25 (1979), 34–37. MR 81c:42032

41a. An asymptotic formula for the derivatives of orthogonal polynomials, MRC Technical Summary Report #1784, University of Wisconsin, Madison, Wisconsin, 1977, 1–8.

41b. An asymptotic formula for the derivatives of orthogonal polynomials, SIAM J. Math. Anal. 10 (1979), 472–477. MR 80j:42040

42. Distribution of zeros of orthogonal polynomials, Trans. Amer. Math. Soc. 249 (1979), 341–361. MR 80j:42041

43. Orthogonal polynomials defined by a recurrence Relation, Trans. Amer. Math. Soc. 250 (1979), 369–384. MR 80d:42011

44. On asymptotic average properties of zeros of orthogonal polynomials (with J. S. Dehesa), SIAM J. Math. Anal. 10 (1979), 1184–1192. MR 80m:42031

45. Bernstein's inequality in L^p for $0 < p < 1$ and $(C,1)$ bounds for orthogonal polynomials (with A. Máté), Ann. Math. 111 (1980), 145–154. MR 81c:42003

MISC. List of publications of Paul Turán, J. Approx. Theory, 29:1 (1980), 14–22.

MISC. On some open problems of approximation theory (George G. Lorentz and I edited Peter Szüsz's English translation of Paul Turán's paper), J. Approx. Theory, 29:1 (1980), 23–85.

MISC. Recent papers dealing with Turáns problems (with George G. Lorentz, Vera Sós, and József Szabados), J. Approx. Theory, 29:1 (1980), 86–89.

46. Mean convergence of Lagrange interpolation, II, J. Approx. Theory 30 (1980), 263–276. MR 82i:41003

47. Eigenvalue distribution of Toeplitz matrices, Proc. Amer. Math. Soc. 80 (1980), 247–253. MR 82c:15012

48. Convergence and summability of orthogonal series, in *Approximation Theory III*, E. W. Cheney, ed., Academic Press, New York, 1980, 679–685. MR 82c:42022

49. Series of orthogonal polynomials as boundary values (with G. G. Walter), SIAM J. Math. Anal. 12 (1981), 502–513. MR 83d:42028

50. Orthogonal polynomials and measures with finitely many point masses (with T. S. Chihara), J. Approx. Theory 35 (1982), 370–380. MR 83i:42017

51. Remarks on E. A. Rahmanov's paper "On the asymptotics of the ratio of orthogonal polynomials" (with A. Máté), J. Approx. Theory 36:1 (1982), 64–72. MR 83m:42017

52. Location of the zeros of a polynomial (Problem solution), SIAM Review 24 (1982), 80.

53. Necessary and sufficient conditions relating the coefficients in the recurrence formula to the spectral function for orthogonal polynomials (with J. S. Geronimo), SIAM J. Math. Anal. 14 (1983), 622–637. MR 84i:42037

54. Orthogonal polynomials associated with $\exp(-x^4)$, in *Second Edmonton Conference on Approximation Theory*, Canadian Math. Soc. Conf. Proc. 3 (1983), 263–285. MR 85b:42012

55. Hermite-Fejér interpolation at zeros of generalized Jacobi polynomials (with P. Vértesi), in *Approximation Theory IV*, C. K. Chui, L. L. Schumaker, and J. D. Ward, eds., Academic Press, New York, 1983, 629–633. MR 85g:41002

56. Orthogonal polynomials and absolutely continuous measures, (with A. Máté), in *Approximation Theory IV*, C. K. Chui, L. L. Schumaker, and J. D. Ward, eds., Academic Press, New York, 1983, 611–617. MR 85j:42044

57. Sublinear perturbations of the differential equation $y^{(n)} = 0$ and of the analogous difference equation (with A. Máté), J. Differential Eq. 53 (1984), 234–257. MR 86d:34062

58. Mean convergence of Lagrange interpolation, III, Trans. Amer. Math. Soc. 282 (1984), 669–698. MR 85c:41009

59. What is beyond Szegő's theory of orthogonal polynomials (with A. Máté and V. Totik), in *Rational Approximation and Interpolation*, P. R. Graves–Morris, E. B. Saff and R. S. Varga, eds., Lecture Notes in Mathematics, Vol. 1105, Springer Verlag, New York, 1984, 502–510. MR 87b:42028

60. Orthogonal polynomials and their derivatives, I (with S. S. Bonan), J. Approx. Theory 40 (1984), 134–147. MR 85f:42035

61. Asymptotics for orthogonal polynomials associated with $\exp(-x^4)$, SIAM J. Math. Anal. 15 (1984), 1177–1187. MR 86i:42011

62. A new class of orthogonal polynomials, Proc. Amer. Math. Soc. 91 (1984), 409–415. MR 85f:42036

63. Two of my favorite ways of obtaining asymptotics for orthogonal polynomials, in *Functional Analysis*

and Approximation, P. L. Butzer, R. L. Stens and B. Sz.-Nagy, eds., ISNM 65, Birkhäuser Verlag, Basel, 1984, 417–436. MR 87g:42044

64. Mean Cesáro summability of orthogonal polynomials (with A. Máté and V. Totik), in *Constructive Theory of Functions*, B. Sendov, P. Petrushev, R. Maleev and S. Tashev, eds., Publishing House of the Bulgarian Academy of Sciences, Sofia, 1984, 588–599.

65. Asymptotics for solutions of smooth recurrence equations (with A. Máté), Proc. Amer. Math. Soc. 93 (1985), 423–429. MR 86d:39002

66. Asymptotic expansion of ratios of coefficients of orthogonal polynomials with exponential weights (with A. Máté and T. Zaslavsky), Trans. Amer. Math. Soc. 287 (1985), 495–505. MR 86b:42024

67. Mean convergence of Hermite-Fejér interpolation (with P. Vértesi), J. Math. Anal. Appl. 105 (1985), 26–58. MR 86h:41004

68. Asymptotics for the ratio of leading coefficients of orthonormal polynomials on the unit circle (with A. Máté and V. Totik), Constr. Approx. 1 (1985), 63–69. MR 85j:42045

69. Asymptotics for orthogonal polynomials defined by a recurrence relation (with A. Máté and V. Totik), Constr. Approx. 1 (1985), 231–248. MR 89a:42035

70. Solution of Turán's problem on divergence of Lagrange interpolation in L^p with $p > 2$, J. Approx. Theory 43 (1985), 190–193. MR 86d:41004

71. Exact bounds for orthogonal polynomials associated with exponential weights, J. Approx. Theory 44 (1985), 82–85. MR 86g:42042

72. Divergence of lacunary trigonometric interpolation (with P. Vértesi), Acta Math. Acad. Sci. Hungar. 45 (1985), 381–39. MR 87a:42009

73. Orthogonal polynomials on infinite intervals, in *Special Functions: Theory and Computation*, Rendiconti del Seminario Matematico Universita' e Politecnico Torino, Fascicolo Speciale, Torino, 1985, 215–236. MR 88h:42025

74. Extensions of Szegő's theory of orthogonal polynomials, in *Polynômes Orthogonaux et Applications*, Proceedings, Bar-le-Duc, 1984, C. Brezinski, A. Draux, A. P. Magnus and A. Ronveaux, eds., Lecture Notes in Mathematics, Vol. 1171, Springer Verlag, Berlin, 1985, 230–238. MR 87k:42024

75. Asymptotics for the greatest zeros of orthogonal polynomials (with A. Máté and V. Totik), SIAM J. Math. Anal. 17 (1986), 745–751. MR 87h:42040

76. Orthogonal polynomials, measures and recurrence relations (with J. Dombrowski), SIAM J. Math. Anal. 17 (1986), 752–759. MR 87g:42039

77. Oscillatory behavior of orthogonal polynomials (with A. Máté and V. Totik), Proc. Amer. Math. Soc. 96 (1986), 261–268. MR 87m:42022

MISC. Letter to a friend, J. Approx. Theory 46 (1986), 4–8. MR 87j:01062a

78. Necessary conditions for weighted mean convergence of Fourier series in orthogonal polynomials (with A. Máté and V. Totik), J. Approx. Theory 46 (1986), 314–322. MR 87j:42074

79. *Géza Freud, Orthogonal Polynomials and Christoffel Functions* (A Case Study), J. Approx. Theory 48 (1986), 3–167. MR 88b:42032

80. Weighted polynomial inequalities (with V. Totik), Constr. Approx. 2 (1986), 113–127. MR 88h:41022

81. Asymptotics for the zeros of orthogonal polynomials associated with infinite intervals (with A. Máté and V. Totik), J. London Math. Soc. (2) 33 (1986), 303–310. MR 87i:42037

82a. Gábor Szegő, in Hungarian, Magyar Tudomány 8-9 (1986), 728–736.

82b. Hungarian scientists, XVI: Gábor Szegő, in Hungarian, Nyelvünk és Kulturánk 65 (1986), 57–63.

83a. Extensions of Szegő's theory of orthogonal polynomials, II (with A. Máté and V. Totik), Constr. Approx. 3 (1987), 51–72. MR 88m:42044a

83b. Erratum to "Extensions of Szegő's theory of orthogonal polynomials, II" (corrected dates of receipt

and revision are July 1, 1985, and January 28, 1986, resp.), (with A. Máté and V. Totik), Constr. Approx. 3 (1987), 410. MR 88m:42044b

84. Extensions of Szegő's theory of orthogonal polynomials, III (with A. Máté and V. Totik), Constr. Approx. 3 (1987), 73–96. MR 88m:42044a

85. Strong and weak convergence of orthogonal polynomials (with A. Máté and V. Totik), Amer. J. Math. 109 (1987), 239–282. MR 88d:42040

86a. Orthogonal polynomials, measures and recurrences on the unit circle, Séminaire Mathématique (nouvelle série), Institut Mathématique Pure at Appliquée, Université Catholique de Louvain 89 (1986), XI-1 – XI-28.

86b. Orthogonal polynomials, measures and recurrences on the unit circle, Trans. Amer. Math. Soc. 300 (1987), 175–189. MR 88d:42041

87a. Quadrature sums involving pth powers of polynomials (with D. S. Lubinsky and A. Máté), NRIMS Technical Report TWISK 392, National Research Institute for Mathematical Sciences, CSIR, Pretoria, 1985, 1–33.

87b. Quadrature sums involving pth powers of polynomials (with D. S. Lubinsky and A. Máté), SIAM J. Math. Anal. 18 (1987), 531–544. MR 89h:41058

88. A new quadrature formula associated with the ultraspherical polynomials (with A. K. Varma), J. Approx. Theory 50 (1987), 133–140. MR 88j:41066

89. Asymptotic expansions of recurrence coefficients of asymmetric Freud polynomials (with W. C. Bauldry and A. Máté), in *Approximation Theory V*, C. K. Chui, L. L. Schumaker, and J. D. Ward, eds., Academic Press, New York, 1987, 251–254. MR 88e:41003

90. Derivatives of orthogonal polynomials and characterization of weights (with S. S. Bonan and D. S. Lubinsky), in *Approximation Theory V*, C. K. Chui, L. L. Schumaker, and J. D. Ward, eds., Academic Press, New York, 1987, 271–274. MR 88e:41003

91a. Orthogonal polynomials and their derivatives, II (with S. S. Bonan and D. S. Lubinsky), NRIMS Technical Report TWISK 410, National Research Institute for Mathematical Sciences, CSIR, Pretoria, 1985, 1–25.

91b. Orthogonal polynomials and their derivatives, II (with S. S. Bonan and D. S. Lubinsky), SIAM J. Math. Anal. 18 (1987), 1163–1176. MR 89a:42032

92. Polynomial approximation with exponential weights (with Z. Ditzian, D. S. Lubinsky and V. Totik), Acta Math. Acad. Sci. Hungar. 50 (1987), 165–175. MR 89b:41032

93. Markov–Bernstein inequalities revisited (with D. S. Lubinsky), Approx. Th. Appl., Nanjing Univ. 3 (1987), 98–119. MR 89e:41018

94. Sharp Nikol′skiĭ inequalities with exponential weights (with V. Totik), Analysis Math. 13 1987), 261–267. MR 89h:41034

95a. Freud's Conjecture and approximation of reciprocals of weights by polynomials (with A. Knopfmacher and D. S. Lubinsky), NRIMS Technical Report TWISK 473, National Research Institute for Mathematical Sciences, CSIR, Pretoria, 1986, 1–24.

95b. Freud's conjecture and approximation of reciprocals of weights by polynomials (with A. Knopfmacher and D. S. Lubinsky), Constr. Approx. 4 (1988), 9–20. MR 89e:42016

96. Asymptotics for the solutions of systems of smooth recurrence equations (with W. C. Bauldry and A. Máté), Pacific J. Math. 133 (1988), 209–227. MR 89m:39002

97a. Twisted difference operators and perturbed Chebyshev polynomials (with A. Máté and V. Totik), Séminaire Mathématique (nouvelle série), Institut Mathématique Pure at Appliquée, Université Catholique de Louvain 94 (1986), III-1 – III-43.

97b. Twisted difference operators and perturbed Chebyshev polynomials (with A. Máté and V. Totik), Duke Math. J. 57 (1988), 301–331. MR 89f:39005

98. Factorization of second order difference equations and its application to orthogonal polynomials (with A. Máté), in *Orthogonal Polynomials and Their Applications*, M. Alfaro, J. S. Dehesa, F. J. Marcellán, J. L. Rubio de Francia, J. Vinuesa, eds., Lecture Notes in Mathematics, Vol. 1329, Springer–Verlag, New York, 1988, 158–177. MR 90d:39002

99. Eigenvalues of finite band–width Hilbert space operators and their applications to orthogonal polynomials (with A. Máté), Can. J. Math. 41 (1989), 106–122. MR 90k:47007

100a. Characterization of measures associated with orthogonal polynomials on the unit circle, Rocky Mountain J. Math. 19 (1989), 293–302. MR 90m:42034a

100b. Erratum to Characterization of measures associated with orthogonal polynomials on the unit circle (corrected date of receipt is June 3, 1986), Rocky Mountain J. Math. 19 (1989), 1111. MR 90m:42034b

101. Convergence of Hermite-Fejér interpolation at zeros of generalized Jacobi polynomials (with P. Vértesi), Acta Sci. Math. Szeged 53 (1989), 77–98. MR 90i:41009

102. Orthogonal polynomials and their zeros (with V. Totik), Acta Sci. Math. Szeged 53 (1989), 99–104. MR 90i:33021

103. Some convergence estimates of a linear positive operator (with G. Criscuolo and G. Mastroianni), in *Approximation Theory VI, Vol. I*, C. K. Chui, L. L. Schumaker, and J. D. Ward, eds., Academic Press, New York, 1989, 153–156. MR 91k:41044

104. Asymptotics for solutions of smooth recurrence equations and their applications to orthogonal polynomials (with S.-W. Jha and A. Máté), in *Approximation Theory VI, Vol. II*, C. K. Chui, L. L. Schumaker, and J. D. Ward, eds., Academic Press, New York, 1989, 345–348. MR 91j:41002

105. Research problems in orthogonal polynomials, in *Approximation Theory VI, Vol. II*, C. K. Chui, L. L. Schumaker, and J. D. Ward, eds., Academic Press, New York, 1989, 449–489. MR 91m:42023

106. Results on mean convergence of derivatives of Lagrange interpolation (with P. Vértesi), in *Approximation Theory VI, Vol. II*, C. K. Chui, L. L. Schumaker, and J. D. Ward, eds., Academic Press, New York, 1989, 491–494. 91j:41002

107. *Orthogonal Polynomials: Theory and Practice*, Paul Nevai, ed., NATO ASI Series C: Mathematical and Physical Sciences, Vol. 294, Kluwer Academic Publishers, Dordrecht-Boston-London, 1990. MR 91k:00039

108. Hilbert transforms and Lagrange interpolation, Letter to the Editor, J. Approx. Theory 60 (1990), 360-363. MR 91a:42008

109. Necessary conditions for mean convergence of Hermite-Fejér interpolation (with A. Máté), in *A tribute to Paul Erdős*, A. Baker, B. Bollobás, and A. Hajnal, eds., Cambridge University Press, Cambridge, 1990, 317–330. MR 92m:41014

110. A generalization of Poincaré's theorem for recurrence equations (with A. Máté), J. Approx. Theory 63 (1990), 92–97. MR 92c:39001

111. Asymptotics expansions for solutions of smooth recurrence equations (with S.-W. Jha and A. Máté), Proc. Amer. Math. Soc. 110 (1990), 365–370. MR 91a:33008

112. A brief survey of generalized polynomials in *Proceedings of the Sixteenth South African Symposium on Numerical Mathematics, San Lameer, July 9–11, 1990*, S. Abelman, ed., University of Natal, Durban, 1990, 51–53.

MISC. The work of G. G. Lorentz: the 1975–1990 period, in *Approximation Theory and Functional Analysis*, C. K. Chui, ed., Academic Press, Boston, 1991, 15–22.

113. Associated generalized Jacobi functions and polynomials (with G. Criscuolo and G. Mastroianni), J. Math. Anal. Appl. 158 (1991), 15–34. MR 92h:33018

114a. A simple proof of "Favard's theorem" on the unit circle (with T. Erdélyi, J. S. Geronimo and J. Zhang), in *Trends in Functional Analysis and Approximation Theory (Acquafredda di Maratea, 1989)*, Estratti Dagli Atti del Seminario Matematico e Fisico dell'Universitá di Modena, Italy, 1991, 41–46. MR

92m:42025

114b. A simple proof of "Favard's theorem" on the unit circle (with T. Erdélyi, J. S. Geronimo and J. Zhang), Atti del Seminario Matematico e Fisico dell'Universitá di Modena, 39 (2) (1991), 551–556. MR 93a:42010

MISC. Editorial (with Allan Pinkus), J. Approx. Theory, 61:1 (1990), 1.

115a. The supports of measures associated with orthogonal polynomials and the spectra of the real self adjoint operators (with A. Máté and W. Van Assche), Preprint Series, Dept. Math., Katholieke Universiteit Leuven, 2 (2) (1990), 5–32.

115b. The supports of measures associated with orthogonal polynomials and the spectra of the real self–adjoint operators (with A. Máté and W. Van Assche), Rocky Mountain J. Math. 21 (1991), 501–527. MR 92i:42015

116. Weakly convergent sequences of functions and orthogonal polynomials, J. Approx. Theory 65:3 (1991), 322–340. MR 92f:42031

117. *Progress in Approximation Theory*, Paul Nevai and Allan Pinkus, eds., Academic Press, Boston, 1991. MR 92b:41002

118. Szegő's extremum problem on the unit circle (with A. Máté and V. Totik), Ann. Math. 134 (1991), 433–453. MR 92i:42014

119. Orthogonal polynomials: their growth relative to their sums (with V. Totik and J. Zhang), J. Approx. Theory 67 (1991), 215–234. MR 92k:42034

120. Mean convergence of derivatives of Lagrange interpolation (with G. Mastroianni), J. Comp. Appl. Math. 34 (1991), 385–396. MR 92b:41007

121. Inequalities for generalized non–negative polynomials (with A. Máté and T. Erdélyi), Constr. Approx. 8 (1992), 241–255. MR 93e:41020

122. Compact perturbations of orthogonal polynomials (with W. Van Assche), Pacific J. Math. 153 (1992), 163–184. MR 93c:42022

123. Generalized polynomial weights, Christoffel functions, and zeros of orthogonal polynomials (with T. Erdélyi), J. Approx. Theory 69 (1992), 111–132. MR 93c:33004

124. Orthogonal polynomials, recurrences, Jacobi matrices, and measures, in *Progress in Approximation Theory*, A. A. Gonchar and E. B. Saff, eds., Computational Mathematics, Vol. 17, Springer–Verlag, New York, 1992, 79–104. MR 94g:42037

125. Sub–exponential growth of solutions of difference equations (with D. S. Lubinsky), J. London Math. Soc. 46 (1992), 149–160. MR 94b:39005

126. Rate of relative growth of orthogonal polynomials (with J. Zhang), J. Math. Anal. Appl. 175 (1993), 10–24. MR 94d:42028

127. Mean convergence of derivatives of extended Lagrange interpolation with additional nodes (with G. Criscuolo and G. Mastroianni), Math. Nachr. 163 (1993), 73–92. MR 94g:65011

128. Remarks on the $(C, -1)$-summability of the distribution of zeros of orthogonal polynomials (with W. Van Assche), Proc. Amer. Math. Soc. 122 (1994), 759–767. MR 96c:42054

129. Mean convergence of Hermite interpolation (with Y. Xu), J. Approx. Theory, 77 (1994), 282–304. MR 95d:41004

MISC. Richard A. Askey and Frank W. J. Olver (with G. Andrews, G. Gasper, and M. Ismail), dedication, SIAM J. Math. Anal. 25 (1994), vii–ix.

130a. Generalized Jacobi weights, Christoffel functions, and Jacobi polynomials (with T. Erdélyi and A. P. Magnus), SIAM J. Math. Anal. 25 (1994), 602–614. MR 95f:33011a

130b. Erratum: Generalized Jacobi weights, Christoffel functions, and Jacobi polynomials (with T. Erdélyi and A. P. Magnus), SIAM J. Math. Anal. 25 (1994), 1461. MR 95f:33011b

131. Orthogonal polynomials in *Linear and Complex Analysis Problem Book 3, Part II*, Victor P. Havin and Nikolai K. Nikolski, eds., Lecture Notes in Mathematics, Vol. 1574, Springer–Verlag, New York, 1994, 177-186.

MISC. Gábor Szegő Centenary, Notices Amer. Math. Soc. 42 (1995), 682.

132. Orthogonal polynomials, difference equations, and linear iterations (with J. Zhang), in Chinese, in *Mathematical Proceedings on the Occasion of the Fortieth Anniversary of Nanjing Aeronautical Institute*, 1991.

133. Perturbation of orthogonal polynomials on an arc of the unit circle (with L. Golinskii and W. Van Assche), J. Approx. Theory 83 (1995), 392–422. arXiv:math/9510211.

MISC. Books by George G. Lorentz (with T. Erdélyi), in *Mathematics from Leningrad to Austin (George G. Lorentz's Selected Works in Real, Functional, and Numerical Analysis)*, Vol. 2, R. A. Lorentz, ed., Birkhäuser Verlag, Boston-Basel-Berlin, 1997, xvii–xxviii.

134a. Gabor Szegő: 1895–1985 (with R. A. Askey), Math. Intelligencer 18, Number 3, Summer 1996, 10–22.

134b. Gabor Szegő: 1895–1985 (with R. A. Askey), in Hungarian, Mat. Lapok, Number 3, 1993, 13–32.

135. Schur functions and orthogonal polynomials on the unit circle (with F. Pintér), in *Approximation Theory and Function Series*, Bolyai Society Mathematical Studies, vol. 5, 1996, 293–306. arXiv:math/9510212.

136. Notes on Steklov's conjecture in L^p and on divergence of Lagrange interpolation in L^p (with Ying Guang Shi), J. Approx. Theory 90 (1997), 147–152.

137. Lower bounds for derivatives of polynomials and Remez type inequalities (with T. Erdélyi), Trans. Amer. Math. Soc. 339 (1997), 4953–4972.

138. Perturbation of orthogonal polynomials on an arc of the unit circle, II (with L. Golinskii, F. Pintér, and W. Van Assche), J. Approx. Theory, 96 (1999), 1–33.

MISC. Allan Pinkus retires from JAT, editorial, J. Approx. Theory, 104:2 (2000), v.

139. The mathematical contributions of Richard Askey (with G. Gasper, M. Ismail, T. Koornwinder, and D. Stanton), Contemporary Mathematics, 254 (2000), 1–18.

140. Large sieve estimates arcs of a circle (with L. Golinskii and D. S. Lubinsky), J. Number Th. 91 (2001), 206–229.

141. Szegő difference equations, transfer matrices, and orthogonal polynomials on the unit circle (with L. Golinskii), Commun. Math. Phys. 223 (2001), 223–259.

MISC. The life and mathematics of Géza Grünwald (I edited and commented Szilárd Gy. Révész's English translation of Paul Turán's reminiscences on Grünwald), `http://www.math.technion.ac.il/hat/people/obits/grunwald.html`, 2003.

142. Denisov's theorem on recurrence coefficients (with V. Totik), J. Approx. Theory, 127 (2004), 240–245.

MISC. 60th birthday of Barry Simon (with Andrej Zlatoš), dedication, J. Approx. Theory, 139:1-2 (2006), 1. DOI: 10.1016/j.jat.2005.11.00

143a. The history of approximation theory: from Euler to Bernstein, by Karl-Georg Steffens (book review, version #1), SIAM Review, 49 (2007), 51–54.

143b. The history of approximation theory: From Euler to Bernstein, by Karl-Georg Steffens (book review, version #2), J. Approx. Theory, 153:2 (2008), 262–266.

144. Orthogonal polynomials on the unit circle, Parts 1 and 2, by Barry Simon (book review), Bull. Amer. Math. Soc. 44:3 (2007), 447–470.

MISC. George G. Lorentz (1910–2006) (with Carl de Boor), obituary, J. Approx. Theory, 156 (2009), 1–27. DOI: 10.1016/j.jat.2006.10.009 (defective) and 10.1016/j.jat.2009.03.002 (corrected) with explanation in 10.1016/j.jat.2009.03.003

MISC. 80th birthday of Paul L. Butzer (with Amos Ron), dedication, J. Approx. Theory, 160:1-2 (2009), 1-2. DOI: 10.1016/j.jat.2009.05.003

MISC. Franz Peherstorfer, July 26, 1950 – November 27, 2009 (with András Kroó and Vilmos Totik), obituary, J. Approx. Theory, 163 (2011), 689–706.
DOI: 10.1016/j.jat.2010.03.008

145. Orthogonal Polynomials and Continued Fractions (From Euler's Point of View), by Sergey Khrushchev (book review), J. Approx. Theory, 164:2 (2012), 353–365.
DOI: 10.1016/j.jat.2011.09.001

MISC. The International Symposium on Orthogonal Polynomials, Special Functions, and Applications 2011 (with Guillermo López Lagomasino, Andrei Martínez Finkelshtein, and Walter Van Assche), editorial, J. Approx. Theory, 170 (2013), 1–2.
DOI: 10.1016/j.jat.2012.10.007

MISC. Tribute to A. A. Gonchar (with Guillermo López Lagomasino, Andrei Martínez Finkelshtein, and Edward B. Saff), obituary, J. Approx. Theory, 172 (2013), A1–A13.
DOI: 10.1016/j.jat.2013.04.008

146. Applications of classical approximation theory to periodic basis function networks and computational harmonic analysis (with Hrushikesh N. Mhaskar and Eugene Shvarts), Bulletin of Mathematical Sciences, 3:3 (2013), 485–549.
DOI: 10.1007/s13373-013-0043-1

147. The Bernstein Inequality and the Schur Inequality are equivalent, J. Approx. Theory, 182 (2014), 103–109.
DOI: 10.1016/j.jat.2014.02.006

MISC. In Memoriam: Herbert Stahl, August 3, 1942 – April 22, 2013 (with Alexander Aptekarev and Vilmos Totik), obituary, J. Approx. Theory, 183 (2014), A1–A26.
DOI: 10.1016/j.jat.2014.04.001

MISC. A contribution to "In Memoriam: Günther Nürnberger: January 13, 1948 May 11, 2013" by Manfred Sommer and Hans Strauss, J. Approx. Theory, 181 (2014), A3–A4.
DOI: 10.1016/j.jat.2014.01.009

148. A family of nonlinear difference equations: existence, uniqueness, and asymptotic behavior of positive solutions (with Saud M. Alsulami, József Szabados, and Walter Van Assche), J. Approx. Theory, 193 (2015), 39–55.
DOI: 10.1016/j.jat.2014.04.012
arXiv:math/1312.2370

MISC. Editorial, in "Special issues of Journal of Approximation Theory and Matematicheskii Sbornik dedicated to the memory of Andrei Aleksandrovich Gonchar and Herbert Stahl" (with Boris Kashin, Sergey Suetin, and Vilmos Totik) J. Approx. Theory, 190 (2015), iii.
DOI: 10.1016/S0021-9045(15)00009-X

MISC. Editorial, in "Special issues of Journal of Approximation Theory and Matematicheskii Sbornik dedicated to the memory of Andrei Aleksandrovich Gonchar and Herbert Stahl" (with Boris Kashin, Sergey Suetin, and Vilmos Totik), in Russian, Mat. Sb., 206:1 (2015), 3.
DOI: 10.4213/sm8476

MISC. Editorial, in "Special issues of Journal of Approximation Theory and Matematicheskii Sbornik dedicated to the memory of Andrei Aleksandrovich Gonchar and Herbert Stahl" (with Boris Kashin, Sergey Suetin, and Vilmos Totik), Sb. Math., 206:1 (2015), 1.
DOI: 10.1070/SM2015v206n01ABEH004442

MISC. Editorial, in "Special issues of Journal of Approximation Theory and Matematicheskii Sbornik dedicated to the memory of Andrei Aleksandrovich Gonchar and Herbert Stahl" (with Boris Kashin, Sergey Suetin, and Vilmos Totik), in Russian, Mat. Sb., 206:2 (2015), 3.
DOI: 10.4213/sm8488

149a. M. Riesz-Schur-type inequalities for entire functions of exponential type (with Tamás Erdélyi and Michael I. Ganzburg), in Russian, Mat. Sb., 206:1 (2015), 29–38.

DOI: 10.4213/sm8435
arXiv:math/1406.3664 (in English)

149b. M. Riesz-Schur-type inequalities for entire functions of exponential type (with Tamás Erdélyi and Michael I. Ganzburg), Sb. Math., 206:1 (2015), 24-32.
DOI: 10.1070/SM2015v206n01ABEH004444

150. Discrete entropy of generalized Jacobi polynomials (with Andrei Martínez-Finkelshtein and Ana Peña), J. Math. Anal. Appl., 431 (2015), 99–110.
DOI: 10.1016/j.jmaa.2015.05.062
arXiv:math/1410.2286

151. Christoffel functions for weights with jumps (with Vilmos Totik), Constr. Approx., 42:2 (2015), 265-280.
DOI: 10.1007/s00365-014-9255-1

152. Christoffel functions (Letter to the Editor) (with Vilmos Totik), Constr. Approx., 42:2 (2015), 4 pages before page 183.

153a. On the derivatives of unimodular polynomials (with Tamás Erdélyi), in Russian, Mat. Sb., 207:4 (2016), 123–142.
DOI: 10.4213/sm8469

153b. On the derivatives of unimodular polynomials (with Tamás Erdélyi), Sb. Math., 207:4 (2016), 123–142.
DOI: 10.1070/SM8469

MISC. A contribution to "In Memoriam: Hubert Berens" by Yuan Xu, J. Approx. Theory, 198 (2015), iv–xxix
DOI: 10.1016/S0021-9045(15)00110-0

MISC. Mikhail Zakharovich Solomyak (obituary) (with A. M. Vershik, E. D. Gluskin, V. A. Kozlov, A. A. Laptev, B. M. Makarov, B. S. Mityagin, G. V. Rozenblum, T. A. Suslina, N. N. Ural'tseva, D. R. Yafaev), in Russian, Uspekhi Mat. Nauk, 72:5(437) (2017), 181–186.
DOI: 10.4213/rm9800

MISC. Mikhail Zakharovich Solomyak (obituary) (with A. M. Vershik, E. D. Gluskin, V. A. Kozlov, A. A. Laptev, B. M. Makarov, B. S. Mityagin, G. V. Rozenblum, T. A. Suslina, N. N. Ural'tseva, D. R. Yafaev), in English, Russian Math. Surveys, 72:5 (2017), 955–961.
DOI: 10.1070/RM9800

MISC. In Memoriam: Ranko Bojanic, November 12, 1924 – February 21, 2017 (obituary) (with Zita Divis and Eugene Seneta), J. Approx. Theory, 231 (2018), 1–14.
DOI: 10.1016/j.jat.2018.03.003

MISC. Foreword, in "APCalculus I", Sergey Khrushchev, Almaty, 2019, pp. iii–iv.

MISC. Remembrance, in "Topics in Classical and Modern Analysis" (In Memory of Yingkang Hu), edited by Martha Abell et al., Applied and Numerical Harmonic Analysis, Springer Nature Switzerland AG, 2019, pp. 15–16.

154. *The true story of n vs. 2n in the Bernstein Inequality*, book in progress.