

List of publications of J. Szabados

Original research papers

- 1 On a problem of numerical analysis occurring in high schools, *Matematika Tanítása*, 11(3)(1964), 68-70 (in Hungarian).
- 2 (with O. Kis) Remarks on the convergence of Lagrange interpolation, *Acta Math. Acad. Sci. Hungar.*, 16(1965), 389-430 (in Russian). MR 37#5573
- 3 On the convergence of Lagrange interpolation in certain sets of functions, *Acta Math. Acad. Sci. Hungar.*, 17(1966), 31-44 (in Russian). MR 33#6215
- 4 On a problem of P. Erdős, *Acta Math. Acad. Sci. Hungar.*, 17(1966), 155-157. MR 33#1619
- 5 On the convergence of the interpolatory quadrature procedures in certain classes of functions, *Acta Math. Acad. Sci. Hungar.*, 18(1967), 97-111. MR 35#3338
- 6 Generalization of two theorems of G. Freud concerning rational approximation, *Studia Sci. Math. Hungar.*, 2(1967), 73-80. MR 35#5829
- 7 (with G. Freud) On rational approximation, *Studia Sci. Math. Hungar.*, 2(1967), 215-219. MR 35#5830
- 8 Negative results in the theory of rational approximation, *Studia Sci. Math. Hungar.*, 2(1967), 385-390. MR 38#4867
- 9 (with G. Freud) Rational approximation to x^α , *Acta Math. Acad. Sci. Hungar.*, 18(1967), 393-399. MR 36#4221
- 10 Structural properties of continuous functions in connection with rational approximation, *Annales Univ. Sci. Budapest, Sectio Math.*, 10(1967), 95-102. MR 36#5575a
- 11 Structural properties of continuous functions in connection with rational approximation. II, *Acta Math. Acad. Sci. Hungar.*, 19(1968), 95-102. MR 36#5575b
- 12 Rational approximation in certain classes of functions, *Acta Math. Acad. Sci. Hungar.*, 19(1968), 81-85. MR 37#659
- 13 (with G. Freud) Rational approximation on the whole real axis, *Studia Sci. Math. Hungar.*, 3(1968), 201-209. MR 38#2495
- 14 Remarks on a paper of A.A. Goncar and some connected problems in the theory of rational approximation, *Annales Univ. Sci. Budapest, Sectio Math.*, 11(1968), 17-26. MR 39#4566
- 15 Rational approximation in the complex unit circle, *Annales Univ. Sci. Budapest, Sectio Math.*, 11(1968), 105-108. MR 39#4407
- 16 Rational approximation of analytic functions with finite number of singularities on the real axis, *Acta Math. Acad. Sci. Hungar.*, 20(1969), 159-167. MR 39#3000

- 17 Rational approximation in complex domains, *Studia Sci. Math. Hungar.*, **4**(1969), 335-340. MR 40#4463
- 18 Note on the divergence of trigonometric interpolation, *Acta Math. Acad. Sci. Hungar.*, **20**(1969), 335-338. MR 40#4658
- 19 Rational approximation to analytic functions on an inner part of the domain of analyticity, *Approximation Theory*, Proc. Conf. held in Lancaster, England, 1969 (London-New York, 1970), 165-177 (edited by A. Talbot). Zbl 225#30042
- 20 Rational approximation of analytic functions with finite number of singularities on the real axis. II. *Proceedings of the Conf. on Constructive Theory of Functions* held in Budapest, 1969 (Budapest, 1970), 467-474 (edited by G. Alexits and S.B. Steckin). MR 56#6212
- 21 (with G. Freud) Über einseitige Approximation durch Polynomen. II, *Acta Sci. Math. Szeged*, **31**(1970), 59-67. MR 41#8886
- 22 Rational approximation to continuous functions on the entire real line, *Proc. Conf. on constructive Theory of Functions* held in Varna, 1970, 345-350. MR 51#1215
- 23 (with G. Freud) Remarks on a theorem of Bohr, *Mat. Lapok*, **21**(1970), 253-257 (in Hungarian). MR 46#7788
- 24 On parametric approximation, *Acta Math. Acad. Sci. Hungar.*, **23**(1972), 275-287. MR 52#8732
- 25 On rational L_p -approximation, *Acta Math. Acad. Sci. Hungar.*, **23**(1972), 197-202. MR 47#7287
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- 28 On the convergence of Hermite-Fejér interpolation for the Laguerre abscissas, *Acta Math. Acad. Sci. Hungar.*, **24**(1973), 243-250. MR 47#5490
- 29 On the convergence and saturation problem of the Jackson polynomials, *Acta Math. Acad. Sci. Hungar.*, **24**(1973), 399-406. MR 49#11124
- 30 On some interpolatory procedures based on the roots of unity, *Acta Math. Acad. Sci. Hungar.*, **25**(1974), 159-164. MR 53#824
- 31 (with V. A. Popov) On a general localization theorem and some applications in the theory of rational approximation, *Acta Math. Acad. Sci. Hungar.*, **25**(1974), 165-170. MR 55#6073
- 32 Generalization of a problem of P. Turán, *Studia Sci. Math. Hungar.*, **8**(1974), 485-495. MR 51#1204
- 33 On an interpolation-theoretic problem in connection with the complex unit circle, *Mat. Lapok*, **23**(1972), 297-300 (in Hungarian). MR 51#6227

- 34 On an interpolatory analogon of the de la Vallée Poussin means, *Studia Sci. Math. Hungar.*, **9**(1974), 187-190. MR 54#5714
- 35 Convergence and saturation problems of discrete linear operators, *Proc. Conf. on "Linear Spaces and Approximations"* held in Oberwolfach, 1974, 405-419 (edited by P. L. Butzer and B. Sz.-Nagy). MR 54#3245
- 36 (with R. DeVore) Saturation theorems for discrete linear operators, *Analysis Math.*, **1**(1975), 81-89. MR 52#6267
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- 39 On a problem of L. Leindler concerning strong approximation by Fourier series, *Analysis Math.*, **2**(1976), 155-161. MR 53#13971
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- 42 (with L. Márki and G. Somorjai) Müntz-Jackson type theorems via interpolation, *Acta Math. Acad. Sci. Hungar.*, **29**(1977), 185-191. MR 58#1832
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- 44 On some convergent interpolatory polynomials, *Coll. Math. Soc. J. Bolyai, Vol. 19. Fourier Analysis and Approximation Theory*, Budapest, 1976, 805-815. MR 81g:41009
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- 47 On constrained polynomial approximation, *Proc. Constructive Theory of Functions; Conf. held in Blagoevgrad, 1977 (Sofia, 1980)*, 501-504.
- 48 On some problems in interpolation theory, *Linear Spaces and Approximation; Conf. held in Oberwolfach, 1977. ISNM Vol. 40, Birkhäuser Verlag, Basel, 1978*, 375-380. MR 58#17675
- 49 On some problems connected with polynomials orthogonal on the complex unit circle, *Acta Math. Acad. Sci. Hungar.*, **33**(1979), 197-210. MR 84j:42036
- 50 (with A. K. Varma) Inequalities for derivatives of polynomials having real zeros, in: *Approximation Theory III; Proc. Conf. held in Austin, Texas, 1980*, 881-887. MR 82b:26017

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- 52 Bernstein and Markov type estimates for the derivative of a polynomial with real zeros, Proc. Conf. held in Oberwolfach, 1980, pp. 177-188. MR 83k:41014
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- 55 (with C. Balázs) Approximation by Bernstein type rational functions. II, *Acta Math. Acad. Sci. Hungar.*, **40**(1982), 331-337. MR 84g:41010
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- 57 (with L. B. O. Ferguson) The growth of coefficients of rational functions with integral coefficients which approximate $|x|$, *Studia Math. Hungar.*, **17**(1982), 75-77. MR 85i:41013
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- 67 (with A. M. Chak) On $(0, 2)$ interpolation for the Laguerre abscissas, *Acta Math. Hungar.*, **49**(1987), 415-423. MR 88h:41001

- 68 (with T. Erdélyi) On polynomials with positive coefficients, *Journal of Approximation Theory*, **54**(1988), 107-122. MR 91g:41027
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- 73 (with T. Erdélyi) Bernstein type inequalities for a class of polynomials, *Acta Math. Hungar.*, **53**(1989), 237-251. MR 90f:42001
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- 90 (with A. Sharma and R. S. Varga) Some 2-periodic trigonometric interpolation problems on equidistant nodes, *Analysis* **11**(1991), 165-190. MR 93g:41005
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- 125 (with G. Mastroianni) Polynomial approximation on infinite intervals with weights having inner zeros, *Acta Math. Hungar.*, **96** (2002), 221-258. MR 2003f:41007
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- VIII Discrete linear interpolatory operators, *Surveys in Approximation Theory*, **2** (2006), 53-60.

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