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Education and Employment:

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| 1980–1985 | M.Sc. (Mathematics) Supervisor: J. Szabados | Eötvös L. University, Budapest |
| 1985–1987 | Research Assistant | Mathematics Institute, Hungarian Academy of Sciences |
| 1987–1989 | Ph.D. (Mathematics) Supervisor: P. Nevai | University of South Carolina |
| 1989–1992 | Instructor | The Ohio State University |
| 1992–1993 | NSERC International Postdoctoral Fellow Supervisor: P. Borwein | Dalhousie University |
| 1993–1995 | NSERC International Postdoctoral Fellow Supervisor: P. Borwein | Simon Fraser University Centre For Experimental and Constructive Mathematics |
| 1995–1996 | Assistant Professor | Texas A&M University |
| 1996–1997 | Visiting Assistant Professor | University of Copenhagen |
| 1997–2003 | Associate Professor | Texas A&M University |
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Grants:

1991–1994 National Science Foundation, No. DMS-9024901
1996–2000 National Science Foundation, No. DMS-9623156
2000–2003 National Science Foundation, No. DMS-0070826

Synergistic Activities:

Editor of Journal of Approximation Theory.

Editor of the journal “Mathematical Inequalities and Applications”.

Helping the Editors of the Problem Session of the American Mathematical Monthly.

PUBLICATIONS**Tamás Erdélyi****March, 2017**

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Books:

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Book Reviews, etc.:

1. T. Erdélyi, *J. Prolla, Stone-Weierstrass, the Theorem*, Springer-Verlag, J. Approx. Theory **78** (1994), 466.
2. T. Erdélyi & P. Nevai, *Books by George G. Lorentz*, in: Mathematics from Leningrad to Austin, Volume 2, George G. Lorentz' selected works in real, functional, and numerical analysis. With contributions by Tamás Erdélyi, Paul Nevai, Colin Bennett and Hubert Berens. Edited by Rudolph A. Lorentz. Contemporary Mathematicians. Birkhäuser, Boston, Inc., Boston, MA, 1997.
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4. T. Erdélyi, *J. Michael Steele, The Cauchy-Schwarz Master Class*, Cambridge University Press, Cambridge, J. Approx. Theory **134** (2005), 287–289.
5. T. Erdélyi, *Vladimir I. Gurariy & Wolfgang Lusky, Geometry of Müntz Spaces and Related Questions*, Springer, Berlin, 2005, Math. Reviews (2007 g).
6. T. Erdélyi, *P. Komjáth & V. Totik, Problems and Theorems in Classical Set Theory*, Springer, 2006 Springer, Berlin, J. Approx. Theory (2008).

Refereed Conference Proceedings:

1. T. Erdélyi, *Pointwise estimates for derivatives of polynomials with restricted zeros*, in: Haar Memorial Conference, J. Szabados & K. Tandori, Eds., North-Holland, Amsterdam, 1987, pp. 329–343.
2. T. Erdélyi, *The Remez inequality on the size of polynomials*, in: Approximation Theory VI, C.K. Chui, L.L. Schumaker, & J.D. Wards, Eds., Academic Press, Boston, 1989, pp. 243–246.
3. T. Erdélyi, J. Geronimo, P. Nevai, & J. Zhang, *A simple proof of “Favard Theorem” on the unit circle*, in: Proc. Int'l Conf. on Functional Analysis and Approximation Theory, Atti Sem. Mat. Fis. Univ. Modena, XXXIX, 1991, pp. 551–556.

4. P. Borwein & T. Erdélyi, *Müntz's Theorem on compact subsets of positive measure*, in Approximation Theory, Govil et al. (Eds.), Marcel Dekker, Inc. (1998), 115–131.
5. T. Erdélyi, *Polynomials with Littlewood-type coefficient constraints*, Approximation Theory X: Abstract and Classical Analysis, Charles K. Chui, Larry L. Schumaker, and Joachim Stöckler (Eds.), Vanderbilt University Press, Nashville, TN (2002), 153–196.
6. T. Erdélyi, *Markov-Bernstein type inequalities for polynomials under Erdős-type constraints*, Paul Erdős and his Mathematics I, Bolyai Society Mathematical Studies, 11, Gábor Halász, László Lovász, Dezső Miklós, and Vera T. Sós (Eds.), Springer Verlag, New York (2002), 219–239.
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Published Papers (Refereed Journals):

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11. T. Erdélyi, *Markov-type estimates for derivatives of polynomials of special type*, Acta Math. Hungar. **51** (1988), 421–436.
12. T. Erdélyi & J. Szabados, *On polynomials with positive coefficients*, J. Approx. Theory **54** (1988), 107–122.
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14. T. Erdélyi & J. Szabados, *Bernstein-type inequalities for a class of polynomials*, Acta Math. Hungar. **52** (1989), 237–251.
15. T. Erdélyi & J. Szabados, *On trigonometric polynomials with positive coefficients*, Studia Sci. Math. Hungar. **24** (1989), 71–91.
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18. T. Erdélyi, *A Markov-type inequality for the derivatives of constrained polynomials*, J. Approx. Theory **63** (1990), 321–334.
19. T. Erdélyi, *Markov and Bernstein type inequalities for certain classes of constrained trigonometric polynomials on an interval shorter than the period*, Studia Sci. Math. Hungar. **25** (1990), 3–25.
20. T. Erdélyi, *A sharp Remez inequality on the size of constrained polynomials*, J. Approx. Theory **63** (1990), 335–337.

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30. P. Borwein & T. Erdélyi, *Remez, Nikolskii, and Markov type inequalities for generalized nonnegative polynomials with restricted zeros*, Constr. Approx. **8** (1992), 343–362.
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 82. D. Benko & T. Erdélyi, *Markov inequality for polynomials of degree n with m distinct zeros*, J. Approx. Theory **122** (2003), 241–248.
 83. P. Borwein & T. Erdélyi, *Lower bounds for the merit factors of trigonometric polynomials*, J. Approx Theory **125** (2003), 190–197.
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86. T. Erdélyi & H. Friedman, *The number of certain integral polynomials and nonrecursive sets of integers, Part 1*, Trans. Amer. Math. Soc. **357** (2005), 999–101.
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92. T. Erdélyi & D. Lubinsky, *Large sieve inequalities via subharmonic methods and the Mahler measure of Fekete polynomials*, Canad. J. Math. **59** (2007), 730–741.
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94. T. Erdélyi, *An improvement of the Erdős-Turán theorem on the zero distribution of polynomials*, C. R. Acad. Sci. Paris Sér. I Math. **346** (2008), 267–270.
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98. T. Erdélyi, *The Remez inequality for linear combinations of shifted Gaussians*, Math. Proc. Cambridge Phil. Soc. **146** (2009), 523–530.
99. T. Erdélyi, *George Lorentz and inequalities in approximation*, Algebra i Analiz (St. Petersburg Math. J.) **21** (2009), 1–57.
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01. T. Erdélyi, *Orthogonality and the maximum of Littlewood cosine polynomials*, Acta Arith. **146** (2011), 215–231.
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16. K.-K. S. Choi & T. Erdélyi, *On a problem of Bourgain concerning the L_p norms of exponential sums*, Mathematische Zeitschrift **279** (2015), no. 1–2, 577–584.
17. T. Erdélyi, *Inequalities for Lorentz polynomials*, J. Approx. Theory **192** (2015), 297–305.
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20. T. Erdélyi, *The Mahler measure of the Rudin-Shapiro polynomials*, Constr. Approx. **43** (2016), no. 3, 357–369.
21. T. Erdélyi, *Coppersmith-Rivlin type inequalities and the order of vanishing of polynomials at 1*, Acta Arith. **172** (2016), no. 3, 271–284.
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22. T. Erdélyi & P. Nevai, *On the derivatives of unimodular polynomials*, Sb. Math. **207** (2016), no. 3–4, 590–609.
23. T. Erdélyi, *The number of unimodular zeros of self-reciprocal polynomials with coefficients in a finite set*, Acta Arith. **176** (2016), no. 2, 177–200.

Accepted Papers:

24. T. Erdélyi, *Inequalities for exponential sums*, Mat. Sb..
25. T. Erdélyi, *Markov-type inequalities for products of Müntz polynomials revisited*, in the volume to be published by Springer-Verlag in the series “Optimization and its Applications” under the

title “Progress in Approximation Theory and Applicable Complex Analysis – In the Memory of Q.I. Rahman”.

Submitted or Almost Ready to Submit:

26. T. Erdélyi, *Improved lower bound for the number of unimodular zeros of self-reciprocal polynomials with coefficients from a finite set*, manuscript.
27. T. Erdélyi, *Improved lower bounds for the Mahler measure of the Fekete polynomials*, manuscript.
28. T. Erdélyi, *On the oscillation of the modulus of Rudin-Shapiro polynomials on the unit circle*, manuscript.

Never Published in a Journal:

29. P. Borwein, W. Dykshoorn, T. Erdélyi, & J. Zhang, *Orthogonality and irrationality*, This paper has been incorporated in Appendix 2 of my book with P. Borwein.