

SIAM ACTIVITY GROUP ON ORTHOGONAL POLYNOMIALS AND SPECIAL FUNCTIONS

NEWSLETTER

VOL. 2, NO. 1

FALL 1991

Here is an overview of the main topics of this newsletter:

- program of special session in Classical Analysis in honor of P.G. (Tim) Rooney's 65th birthday. C.M.S. meeting, Victoria, B.C., December '91;
 - solicitation for e-mail addresses of members;
 - preliminary announcement of Minisymposium at SIAM Annual Meeting, Los Angeles, CA, July '92;
 - invitation to submit announcements and letters to Newsletter.
1. At the Winter meeting of the Canadian Mathematical Society, December 7-10, 1991, in Victoria, B.C. there will be a special session in Classical Analysis on the occasion of Tim Rooney's 65th birthday. Here is the list of speakers and the titles of their talks. All talks are scheduled for 30 minutes, with the exception of Muckenhoupt's one hour address.
Contact:

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for information about registration and lodging.

- K. Andersen - "Weighted generalized Hardy inequalities for non-increasing functions"
- R. Askey - "Inequalities for classical polynomials"
- B. Boyd - "Asymptotics of Mahler's measure for certain polynomials"
- C. Dunkl - "Integrals and transforms associated to reflection groups"
- J. Fournier - "Integrability theorems for trigonometric series"
- G. Gasper & W. Trebels - "On necessary multiplier conditions for Laguerre expansions"
- H. Heinig - "Weighted Fourier norm inequalities and applications"

- M. Ismail - "Asymptotics of Pollaczek polynomials and zeros of finite Fourier transforms"
- D. Masson - "A generalization of Ramanujan's best theorem on continued fractions"
- B. Muckenhoupt - "Estimate of orthogonal polynomial kernels"
- P.G. Rooney - "On the inversion of the Struve transform"
- E. Sawyer - TBA

2. The current membership list of the group. Everyone should have received a copy of this list (it is available as a text file via e-mail from C. Dunkl cf5z@virginia.edu.) Many listings do not have an e-mail address. There follows a list of the last names of the people without such an address. If you are named and you have acquired an e-mail address (or for some reason it was omitted from the membership list), or if you are not named and your e-mail address has recently changed, please send your current address to me at cf5z@virginia.edu. I will forward the information to SIAM Headquarters to update next year's membership compilation.

Arcscott	Askey	Blanc	Boersma
Calkins	Colombo	Cota	Fenley
Filippopoulos	Gauntt	Geronimo	Grabowski
Gray	Hodge	Hunting	Ikebe
Inoue	Jiang	Kapilevich	Khajah
Lawless	Law	Lubinsky	Lukic
Masso	Muldoon	Mullen	Neuman
Nmah	Osborne	Peterson	G. Phillips
M. Phillips	Quintyne	Raadhakrishnan	Robertson
Rouff	D. T. Smith	Spratling	I. Taylor
Temes	Thacher	Van Tuyl	Walls
Vinayagamoorthy	Werner	Wilson	Zayed
Aldroubi			

- 3. The next annual meeting of SIAM will be in Los Angeles, CA, July 19-24, 1992. An important theme will be large scale computation for partial differential equations. The activity group will sponsor a minisymposium, which could consist of 4 or 5 25 minute talks, or a larger number of 15 minute talks. The title of the minisymposium will be "Recent advances in orthogonal polynomials and special functions." Interested persons are invited to send me a short abstract of a proposed talk. We need to assemble the list of speakers by January 6, 1992.
- 4. This newsletter needs more input from the members. We welcome letters and news items. Would there be any interest in publishing titles of preprints that their authors would send out to interested parties, for example?

5. George Gasper has an updated version of errata and new references for his and Rahman's book Basic Hypergeometric Series (Cambridge University Press). He is willing to send the errata by e-mail or in a stamped self-addressed envelope (george@math.uwu.edu; or see address below).
6. Just ended: VII Symposium sobre Polinomios Ortogonales y Aplicaciones (23-27 September 1991, Granada, Spain). Interesting conference (about 130 participants), plenary lectures by R. Askey, D. Bessis, W.N. Everitt, F.J. Marcellan, M. Muldoon, P. Nevai, O. Njastad; invited talks by W. Van Assche, C. Brezinski, W.D. Evans, T.H. Koornwinder, P. Maroni, A. Moussiaux, A.F. Nikiforov, F. Peherstorfer, Ph. Tombal; proceedings will appear in a special volume of the Journal of Computational and Applied Mathematics.

Coming up: 10 October, 10:00-12:00 a.m.: Mini-symposium on Rational Approximation. Kathy Driver (Witwatersrand University, South Africa): Convergence of Pade approximants for some functions with a natural boundary and a curious fact about their radius of convergence; Pablo Gonzales-Vera (Universidad de la Laguna, Tenerife): Interpolatory quadrature formula and rational approximants to Chebyshev series.

International congress on "Extrapolation and Rational Approximation," 13-17 January, 1992, Tenerife (Canary Islands, Spain). Invited speakers: D.J. Bessis, G.H. Golub, M.H. Gutknecht, P. Rabinowitz, R.S. Varga. Contact Pablo Gonzales-Vera (Fax 34-22 630040) for more information.

There is going to be a conference on Rational Approximation in Antwerp in 1993. Please contact Annie Cuyt (cuyt@ccu.uia.ac.be).

(These items were submitted by Walter van Assche, Leuven, Belgium)

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