O P - S F N E T - Volume 21, Number 4 – July 15, 2014

Topics:
1. CALL FOR NOMINATIONS - Gábor Szegő Prize
2. OPSFA13, Gaithersburg, MD, USA 2015
3. Conference to honour Mourad Ismail
4. Conference to honour Roderick Wong
5. SIAM and AMS Fellows
6. Report on "Constructive Functions 2014"
7. Report on Conference on "Random Matrices and Jacobi Operators"
8. Preprints in arXiv.org
9. About the Activity Group
10. Submitting contributions to OP-SF NET and SIAM-OPSF (OP-SF Talk)

Calendar of Events:

July 14-18, 2014
XXXth International Colloquium on Group Theoretical Methods in Physics, Ghent, Belgium
http://www.group30.ugent.be/

July 21-25, 2014
VIII Pan American Workshop in Applied and Computational Mathematics/Computational Science and Engineering, Barranquilla, Colombia
http://www.csrc.sdsu.edu/panam2014/index.html

August 13-21, 2014
International Congress of Mathematicians, Seoul, Korea
http://www.icm2014.org

August 25-29, 2014

Exact Solvability and Symmetry Avatars, Conference held on the occasion of Luc Vinet's 60th birthday, Centre de Recherches Mathématiques, Montreal Canada
http://www.crm.umontreal.ca/2014/Vinet60/index_e.php

September 7-12, 2014

Exceptional Orthogonal Polynomials and exact solutions in Mathematical Physics, Segovia, Spain   21.2 #2
http://www.icmat.es/congresos/2014/xopconf/

September 18, 2014

Recent advances in Orthogonal Polynomials and its Interactions with Integrable Systems, University of Kent, Canterbury, UK
http://www.kent.ac.uk/smsas/events/OrthogonalPolynomials.html

October 16-18, 2014

13th Annual Conference (ICSFA 2014) of Society for Special Functions & their Applications (SSFA) Thapar University, Patila, India.
http://www.ssfaindia.webs.com/conf.htm

October 18-19, 2014

American Mathematical Society, Eastern Section Meeting, including Special Session on "Special Functions and their Applications" (organized by Mourad Ismail and Nasser Saad), Halifax, Nova Scotia, Canada
http://www.ams.org/meetings/sectional/2223_program.html

October 25-29, 2014

"International Conference on Orthogonal Polynomials, Integrable Systems and Their Applications" on the occasion of Professor Mourad Ismail's 70th Birthday, Shanghai Jiao Tong University and Shaoxing University
http://math.sjtu.edu.cn/conference/icopista/index.html

December 1-5, 2014

International Conference on Applied Mathematics in honour of Professor Roderick S. C. Wong's 70th Birthday, City University of Hong Kong
http://www6.cityu.edu.hk/rcms/icam2014/

December 11-20, 2014

Foundations of Computational Mathematics, Montevideo, Uruguay (including workshops on Approximation Theory and on Special Functions and Orthogonal Polynomials)
http://www.fing.edu.uy/~jana/www2/focm_2014.html

June 1-5, 2015

13th International Symposium on Orthogonal Polynomials, Special Functions and Applications (OPSFA13), Gaithersburg, Maryland, USA
http://www.siam.org/meetings/opsfa13/

August 10-14, 2015
ICIAM 2015 (International Congress on Industrial and Applied Mathematics), Beijing, China
http://www.iciam2015.cn/

Topic #1   ---------   OP-SF NET 21.4   --------   July 15, 2014

From: Walter Van Assche   Walter.VanAssche@wis.kuleuven.be
Subject: CALL FOR NOMINATIONS - Gábor Szegő Prize

The Gábor Szegő Prize will be awarded by the SIAM Activity Group on Orthogonal Polynomials and Special Functions (SIAG/OPSF) at the 13th International Symposium on Orthogonal Polynomials, Special Functions, and Applications (OPSFA 2015), to be held June 1-5, 2015, at National Institutes of Standards and Technology (NIST), in Gaithersburg, Maryland, USA.

The prize was established in 2010 and will be awarded biennially by SIAG/OPSF to an early-career researcher for outstanding research contributions in the area of orthogonal polynomials and special functions. The contributions must be contained in a paper or papers published in English in peer-reviewed journals.

Previous recipients of the Szegő Prize are Tom Claeys (Université Catholique de Louvain, Louvain-la-Neuve, Belgium) and Jacob Stordal Christiansen (Lund University, Sweden.

The prize will be awarded to a researcher who has at most 10 years (full time equivalent) of involvement in mathematics since PhD at the award date, allowing for breaks in continuity, or who, in the opinion of the prize committee, is at an equivalent career stage.

The award will consist of a plaque and a certificate containing the citation. As part of the award, the recipient will be invited to give a plenary lecture at OPSFA 2015. Travel funds will be made available to reimburse the recipient for reasonable travel expenses and local accommodation costs incurred in attending the award ceremony and giving the talk. The recipient's OPSFA conference registration will be waived.

Nominations should be addressed to Professor Walther Van Assche, Chair, Gábor Szegő Prize committee and sent with attachments to szego_prize@siam.org by November 1, 2014. A valid nomination requires 1.) A letter of nomination signed by two members of the SIAG/OPSF and 2.) the nominee's CV. The letter should indicate 3.) the paper(s) cited for the work being recognized, explain the significance of the work, and (in the case of multiple authors) indicate the contribution of the nominee.

Preferably also send a copy of the submission to the chair of the selection committee <walter.vanassche@wis.kuleuven.be>. If you are not a member of SIAM/OPSF and know a suitable candidate for the prize, but have difficulty

finding two SIAM/OPSF members willing to sign the nomination, please contact one of the SIAG officers for suggestions about names of members.

Topic #2   ---------   OP-SF NET 21.4   --------   July 15, 2014

From: Diego Dominici   dominicd@newpaltz.edu
Subject: OPSFA13, Gaithersburg, MD, USA 2015

Dear Colleagues,

We are pleased to invite you to participate in the 13th International Symposium on Orthogonal Polynomials, Special Functions and Applications (OPSFA13), which will be held at the National Institutes of Standards and Technology (NIST), Gaithersburg, MD, USA on June 1-5, 2015.

Please see http://www.siam.org/meetings/opsfa13/ for more information.

Those interested in organizing a minisymposium should submit a proposal to the conference program committee by no later than November 3, 2014. Organizers will select the topics to be addressed, obtain speakers for those topics, decide with each speaker on the title of his/her presentation, and provide other information as needed. See http://www.siam.org/meetings/guidelines/mini_guide.php for some guidelines.

The due date for abstracts of all contributed and minisymposium presentations will be February 2, 2015.

The application deadline for SIAM Student Travel and Post-doc/Early Career Travel Awards is January 20, 2015.

Proceedings of the conference will be published in a special issue of SIGMA http://www.emis.de/journals/SIGMA/OPSFA2015.html
The starting date for paper submissions is January 1, 2015. The deadline for paper submissions is January 31, 2016.

Please forward this announcement to your colleagues and researchers who might be interested.

Yours Sincerely,

Conference Co-Chairs
Daniel W. Lozier, National Institute of Standards and Technology, USA
Diego Dominici, State University of New York at New Paltz, USA

Topic #3   ---------   OP-SF NET 21.4   --------   July 15, 2014

During the period October 25-29, 2014, an "International Conference on Orthogonal Polynomials, Integrable Systems and Their Applications" will be held at Shanghai Jiao Tong University and Shaoxing University on the occasion of Professor Mourad Ismail's 70th Birthday.

The topics of the Conference are:

(1) Analytical and numerical methods related to integrability and orthogonality;
(2) Asymptotic methods;
(3) Hamiltonian systems (finite and infinite dimensional case);
(4) Integrable combinatorics;
(5) Integrable systems;
(6) Orthogonal polynomials;
(7) Special functions and Painlevé equations;
(8) Symmetry and supersymmetry.

The invited speakers are:

Alexander Aptekarev, Keldysh Inst., Russia
Laurent Baratchart, INRIA, Sophia Antipolis, France
Claude Brezinski, University of Sciences and Technologies of Lille, France
Cewen Cao, Zhen Zhou Univeristy, China
Li-chen Chen, Soochow University, Taiwan
Yang Chen, University of Macau, Macau
Edmund Yik-Man Chiang*, HKUST, Hong Kong
Peter A. Clarkson, University of Kent, UK
Dan Dai, Hong Kong City Univ. Hong Kong
Maxim Derevyagin*, Technical University of Berlin, Germany
Antonio Duran, University of Seville, Spain
Baofeng Feng, The University of Texas-Pan American,USA
Michael Gekhtman, University of Notre Dame, USA
Tamara Grava*, SISSA, Italy
Alberto Grunbaum, UC Berkley, USA
John Harnad*, Concordia University, Canada
Andrew Hone*, University of Kent, UK
Alexander Its*, Indiana University, USA
Nalini Joshi, The University of Sydney, Australia
Valery A. Kalyagin, National Research University Higher School of Economics, Russia
Dmitrii Karp, Far Eastern Federal Univ., Russia
Erik Koelink, Radboud Universiteit Nijmegen, Netherlands
Arno Kuijlaars*, KU Leuven, Belgium
Guillermo Lopez Lagomasino, Universidad Carlos III de Madrid, Spain

Jyh-Hao Lee, Academia Sinica, Taiwan
Qingping Liu, China University Of Mining and Technology, China
Alexey Lukashov, Fatih University, Turkey
Wen-Xiu Ma, University of South Florida, USA
Francisco Marcellan, Universidad Carlos III de Madrid, Spain
Yoshimasa Nakamura, Kyoto University, Japan
Frank Nijhoff*, University of Leeds, UK
Changzheng Qu, Ningbo University, China
Eric Rains*, California Institute of Technology, USA
Michela Redivo-Zagliam, University of Padova, Italy
Simon Ruijsenaars, University of Leeds, United Kingdom
Dennis Stanton, University of Minnesota, USA
Jacek Szmigielski, University of Saskatchewan, Canada
Vilmos Totik*, University of Szeged, Hungary and University of South Florida
Satoshi Tsujimoto*, Kyoto University, Japan
Walter Van Assche, Katholieke Universiteit Leuven, Belgium
Pierre Van Moerbeke, Université Catholique de Louvain, Belgium
Luc Vinet, University of Montreal, Canada
Franck Wielonsky, Université Aix-Marseille, France
Youjin Zhang, Tsinghua University, China
Alexei Zhedanov*, Donetsk Institute for Physics and Technology, Ukraine

*) : provisionally confirmed or still under consideration

The organizers are

Xing-Biao Hu (LSEC, Chinese Academy of Science)
Sen-Yue Lou (East China Normal University)
Mikhail Tyaglov (Shanghai Jiao Tong University)
Guo-Fu Yu (Shanghai Jiao Tong University)
Jun Yu (Shao Xing University)
Ruiming Zhang (Northwest A & F University)
Zuo-Nong Zhu (Shanghai Jiao Tong University)

Further information is available at the Conference web site
http://math.sjtu.edu.cn/conference/icopista/index.html

Topic #4   ---------   OP-SF NET 21.4   --------   July 15, 2014

From: OP-SF NET Editors
Subject: Conference to honour Roderick Wong

The following information is from the web site:
http://www6.cityu.edu.hk/rcms/icam2014/

An International Conference on Applied Mathematics, in honour if Professor Roderick S. C. Wong's 70th Birthday will be held at the City University of Hong Kong, during the period December 1-5, 2014

The objectives of the conference are to review and discuss some of the latest trends in various fields of applied mathematics. In particular, with a special emphasis on Asymptotics and Special Functions, Partial Differential Equations, Computational Mathematics, Approximation Theory, Mathematical Physics, Mathematical Biology and Financial Mathematics.

Organizing Committee:

Dan Dai, City University of Hong Kong
Hui-Hui Dai, City University of Hong Kong (Co-Chair)
Ya Yan Lu, City University of Hong Kong
Tong Yang, City University of Hong Kong (Co-Chair)
Ding-Xuan Zhou, City University of Hong Kong

The list of plenary speakers, updated to June 10, 2014 is:

Michael Berry, Bristol University, UK
Kung-Ching Chang, Peking University, China
Gui-qiang Chen, University of Oxford, UK
Philippe G. Ciarlet, CityU, Hong Kong
Weinan E, Princeton University, USA
Avner Friedman, The Ohio State University, USA
Leslie Greengard, New York University, USA
Thomas Yizhao Hou, California Institute of Technology, USA
Mourad Ismail, University of Central Florida, USA
Dany Leviatan, Tel Aviv University, Israel
Ta-tsien Li, Fudan University, China
Fang-Hua Lin, New York University, USA
Zhi-ming Ma, Chinese Academy of Sciences, China
Keith Moffatt, University of Cambridge, UK
James D. Murray, University of Oxford, UK / Princeton University, USA / Washington University, USA
Peter Olver, University of Minnesota, USA
George C. Papanicolaou, Stanford University, USA
Vladimir Rokhlin, Yale University, USA
Vilmos Totik, University of South Florida, USA / University of Szeged, Hungary
Jinchao Xu, Penn State University, USA

Further information is available at the web site:
http://www6.cityu.edu.hk/rcms/icam2014/

Topic #5   ---------   OP-SF NET 21.4   --------   July 15, 2014

From: Tom Koornwinder   T.H.Koornwinder@uva.nl
Topic: SIAM and AMS Fellows

[This was sent to SIAM-OPSF on May 19, 2014]

Bernd Sturmfels (University of California, Berkeley) was elected as a
SIAM fellow, class of 2014, for advancing symbolic and numerical techniques for
solving systems of nonlinear polynomial equations and inequalities and
connecting computational algebraic geometry with applications.
See http://fellows.siam.org/index.php?sort=year&value=2014.
He has written a few papers on hypergeometric functions, although his focus
is elsewhere.

Peter Paule (Research Institute for Symbolic Computation, Johannes
Kepler University, Linz) was elected as AMS fellow, class of 2014,
for contributions to classical combinatorics, computer algebra, and
symbolic computation in combinatorics.
See http://www.ams.org/profession/ams-fellows/new-fellows.
He has published some papers on special functions, while much of his work
is relevant for special functions.

Topic #6   ---------   OP-SF NET 21.4   --------   July 15, 2014

From: Walter Van Assche   Walter.VanAssche@wis.kuleuven.be
Subject: Report on "Constructive Functions 2014"

Quite a few of our colleagues are celebrating a significant birthday this year and
often this is accompanied by a conference. Dick Askey's 80th birthday was
celebrated in December 2013, Ed Saff's 70th birthday in May 2014, Mourad
Ismail's 70th in October 2014, and Roderick Wong's 70th in December 2014.
Martin Muldoon already reported on Askey's 80th birthday in OP-SF NET 21.1,
the January 2014 issue of this newsletter. Here I will report on Saff's 70th
birthday conference, which was held at Vanderbilt University in Nashville,
Tennessee from May 26 to May 30, 2014.

There were 11 plenary speakers and various contributed talks (20 minutes) in
parallel sessions, covering Ed Saff's research interests: rational approximation,
logarithmic potential theory, distribution of points on spheres and other
manifolds, computational function theory, etc. A special feature was that there
were also four evening "School Lectures" by Barry Simon (Orthogonal
Polynomials on Finite Gap Sets), Henry Cohn (Discrete Minimal Energy
Problems), Arno Kuijlaars (Riemann-Hilbert Problems for Orthogonal and
Multiple Orthogonal Polynomials), and Nick Trefethen (Ten Things You Should
Know About Quadrature). Of the plenary lectures, I particularly enjoyed the
opening lecture of Vilmos Totik on how small a polynomial can be on a compact

set if its leading coefficient or its value at a point is given, Igor Pritsker's talk on zeros of random polynomials, Guillermo López Lagomasino's talk on row sequences of Padé and Hermite-Padé approximation, and Alexander (Sasha) Aptekarev's talk on Steklov's problem: what is the size of orthogonal polynomials (on the unit circle) for which the weight is bounded from below by $\delta/(2\pi)$? As usual Andrei Martinéz' talk (on the symmetry property for equilibrium measures) was clear and entertaining and won the prize for talk with the best transitions. The other plenary speakers all covered various areas of Ed's interest: continued fractions with random coefficients (Lisa Lorentzen), multiscale radial basis function approximation (Ian Sloane), orthogonal polynomials in the complex plane and the recovery of supports of measures in the complex plane (Nikos Stylianopoulos), approximation theory seen through Chebfun (Nick Trefethen), random matrices and multiple orthogonal polynomials (Arno Kuijlaars), and inverse potential problems in higher dimension (Laurent Baratchart). The contributed talks were organized in topical sessions: students of Ed Saff, orthogonal polynomials, special functions and differential equations, approximation theory, polynomials and matrices, cubature and approximation, discrete minimum energy, numerical analysis, number theory and polynomials, spectral theory, wavelets and frames, polynomial asymptotics, approximation, potential theory, function theory, and applied analysis. The level of the contributed talks and the number of interesting titles made it quite difficult to choose between talks in parallel sessions.

The social program surely also deserves to be mentioned. It included a reception at the Wildhorse Saloon (including country music and inline dancing, but not so inline when the conference participants entered the dance floor), an excellent conference dinner with cocktails, a fire alarm, recollections by some of Ed Saff's friends and collaborators, a crowded dance floor, a closing beer party with Peter Dragnev and Laurent Baratchart on the guitar, and vocal support by many of the participants (a good illustration of simultaneous approximation of well known songs). All in all, an excellent conference: the organizers did a perfect job.

Topic #7   ---------   OP-SF NET 21.4   --------   July 15, 2014

From: Jeff Geronimo   geronimo@math.gatech.edu
Subject: Report on Conference on "Random Matrices and Jacobi Operators"

A conference on "Random Matrices and Jacobi Operators" was held at the Mittag-Leffler Institute, Djursholm, Sweden, during the period May 19-23, 2014. It was organized by Maurice Duits and Jonathan Breuer and went along very well due to the superb management of Maria Weiss. Some of the talks have been posted and can viewed at the link http://www.mittag-leffler.se/?q=0519 The talks mostly broke down into two main areas: Random matrices and Jacobi Operators. Two of the most interesting talks given on the last day were presented in a collaboration between Tom Claeys and Igor Krasovsky regarding

the critical asymptotics of Toeplitz matrices around a transition point. They obtained a formula at the transition point in terms of a solution of   a particular Painleve equation which gives a resolution, positively, of a conjecture of Dyson made over 50 years ago. Tom Claeys was the winner of the first Szego Prize.

Topic #8   ---------   OP-SF NET 21.4   --------   July 15, 2014

From : OP-SF NET Editors
Subject: Preprints in arXiv.org

The following preprints related to the fields of orthogonal polynomials and special functions were posted or cross-listed to one of the subcategories of arXiv.org, mostly during May and June 2014.

http://arxiv.org/abs/1401.5368
On the equivalence of two fundamental theta identities,
T.H. Koornwinder

http://arxiv.org/abs/1405.0796
Multiplicity free induced representations and orthogonal polynomials
Maarten van Pruijssen

http://arxiv.org/abs/1405.1918
Generalizations of generating functions for higher continuous hypergeometric orthogonal polynomials in the Askey scheme
Michael A. Baeder, Howard S. Cohl, Hans Volkmer

http://arxiv.org/abs/1405.2812
An integral identity with applications in orthogonal polynomials
Yuan Xu

http://arxiv.org/abs/1406.0364
Computing recurrence coefficients of multiple orthogonal polynomials
Galina Filipuk, Maciej Haneczok, Walter Van Assche

http://arxiv.org/abs/1406.0719
Para-orthogonal polynomials on the unit circle satisfying three term recurrence formulas
Cleonice F. Bracciali, Alagacone Sri Ranga, Anbhu Swaminathan

http://arxiv.org/abs/1406.0762
Sobolev orthogonal polynomials on product domains
L. Fernández, F. Marcellán, T. E. Pérez, M. A. Piñar, Y. Xu

http://arxiv.org/abs/1406.1806
Orthogonal polynomials with respect of a class of Fisher-Hartwig symbols
Philippe Rambour (LM-Orsay)

http://arxiv.org/abs/1406.2768
Solvable Discrete Quantum Mechanics: q-Orthogonal Polynomials with |q|=1 and
Quantum Dilogarithm
Satoru Odake, Ryu Sasaki

http://arxiv.org/abs/1405.2871
The Appell hypergeometric expansions of the solutions of the general Heun
equation
A.M. Ishkhanyan

http://arxiv.org/abs/1405.4178
Zeros of a certain class of Gauss hypergeometric polynomials
Addisalem Abathun, Rikard B\ogvad

http://arxiv.org/abs/1406.2881
Duality relations for hypergeometric series
Frits Beukers, Frédéric Jouhet

http://arxiv.org/abs/1406.3004
Even and odd generalized hypergeometric coherent states
Won Sang Chung, Mahouton Norbert Hounkonnou, Sama Arjika

http://arxiv.org/abs/1406.3772
A new integral formula for Heckman-Opdam hypergeometric functions
Yi Sun

http://arxiv.org/abs/1406.7464
Intersection numbers and twisted period relations for the generalized
hypergeometric function ${}_{m+1} F_m$
Yoshiaki Goto

http://arxiv.org/abs/1405.3723
On a Family of Integrals that extend the Askey-Wilson Integral
M. Ito, N.S. Witte

http://arxiv.org/abs/1406.1628
Some transformation formulas associated with Askey-Wilson polynomials and
Lassalle's formulas for Macdonald-Koornwinder polynomials
A. Hoshino, M. Noumi, J. Shiraishi

http://arxiv.org/abs/1405.5318
Special polynomials related to the supersymmetric eight-vertex model. III.
Painlevé VI equation
Hjalmar Rosengren

http://arxiv.org/abs/1405.6516
An inequality of Hardy--Littlewood type for Dirichlet polynomials
Andriy Bondarenko, Winston Heap, Kristian Seip

http://arxiv.org/abs/1405.0316
Some remarkable new Plethystic Operators in the Theory of Macdonald Polynomials
Francois Bergeron, Adriano Garsia, Emily Leven, Guoce Xin

http://arxiv.org/abs/1405.2195
On the theory of symmetric polynomials
Mark Krein

http://arxiv.org/abs/1405.3610
Complete polynomials using 3-term and reversible 3-term recurrence formulas (3TRF and R3TRF)
Yoon Seok Choun

http://arxiv.org/abs/1405.3682
Suffridge's convolution theorem for polynomials with zeros in the unit disk
Martin Lamprecht

http://arxiv.org/abs/1405.7727
Linear recurrence sequences via Bell polynomials
Daniel Birmajer, Juan B. Gil, Michael D. Weiner

http://arxiv.org/abs/1406.2560
Coppersmith-Rivlin type inequalities and the order of vanishing of polynomials at 1
Tamas Erdelyi

http://arxiv.org/abs/1406.2843
Inequalities for Lorentz polynomials
Tamas Erdelyi

http://arxiv.org/abs/1406.3329
Generalized characteristic polynomials and Gaussian cubature rules
Yuan Xu

http://arxiv.org/abs/1406.3391
A product formula for certain Littlewood-Richardson coefficients for Jack and Macdonald polynomials
Yusra Naqvi

http://arxiv.org/abs/1406.6193
Mehler-Heine type formulas for Charlier and Meixner polynomials
Diego Dominici

http://arxiv.org/abs/1406.6719
The multivariate Hahn polynomials and the singular oscillator
Vincent X. Genest, Luc Vinet

http://arxiv.org/abs/1406.6880
Monomial to ultraspherical basis transformation and the zeros of polynomials
Matthew Chasse

http://arxiv.org/abs/1406.0432
Divisors and specializations of Lucas polynomials
Tewodros Amdeberhan, Mahir Bilen Can, Melanie Jensen

http://arxiv.org/abs/1406.0969
Asymptotic behavior and zero distribution of polynomials orthogonal with respect to Bessel functions
Alfredo Deaño, Arno B.J. Kuijlaars, Pablo Román

http://arxiv.org/abs/1406.1054
On formal Schubert polynomials
Kirill Zainoulline

http://arxiv.org/abs/1406.1444
A unified matrix approach to the representation of Appell polynomials
Lidia Aceto, Helmuth R. Malonek, Graça Tomaz

http://arxiv.org/abs/1406.4600
Gröbner Bases for Linearized Polynomials
Margreta Kuijper, Anna-Lena Trautmann

http://arxiv.org/abs/1405.2745
Quadrirational Yang-Baxter maps and the affine-E8 Painleve lattice
James Atkinson, Yasuhiko Yamada

http://arxiv.org/abs/1406.3008
Bilinear equations on Painleve tau functions from CFT
M. A. Bershtein, A. I. Shchechkin

http://arxiv.org/abs/1406.0826
Large-degree asymptotics of rational Painleve-II functions. II
Robert J. Buckingham, Peter D. Miller

http://arxiv.org/abs/1405.0507
Applications of Neutrix Calculus to Special Functions in Conjunction with Polygamma Functions
Emin Özçağ

http://arxiv.org/abs/1406.1320
Comments on "Exactification of Stirling's approximation for the logarithm of the gamma function"
R B Paris

http://arxiv.org/abs/1405.3423
On the asymptotic expansion of $\Gamma(x)$, Lagrange's inversion theorem and the Stirling coefficients
R. B. Paris

http://arxiv.org/abs/1406.7407
Paperfolding infinite products and the gamma function
Jean-Paul Allouche

Topic #9   ---------   OP-SF NET 21.4   --------   July 15, 2014

From: OP-SF NET Editors
Subject: About the Activity Group

The SIAM Activity Group on Orthogonal Polynomials and Special Functions consists of a broad set of mathematicians, both pure and applied. The Group also includes engineers and scientists, students as well as experts. We have around 115 members scattered about in more than 20 countries. Whatever your specialty might be, we welcome your participation in this classical, and yet modern, topic. Our WWW home page is:
http://math.nist.gov/opsf/

This is a convenient point of entry to all the services provided by the Group. Our Webmaster is Bonita Saunders (bonita.saunders@nist.gov).

The Activity Group sponsors OP-SF NET, an electronic newsletter, and SIAM-OPSF (OP-SF Talk), a listserv, as a free public service; membership in SIAM is not required. OP-SF NET is transmitted periodically through a post to OP-SF Talk. The OP-SF Net Editors are Diego Dominici (dominicd@newpaltz.edu) and Martin Muldoon (muldoon@yorku.ca).

Back issues of OP-SF NET can be obtained at the WWW addresses:
https://staff.fnwi.uva.nl/t.h.koornwinder/opsfnet/

http://math.nist.gov/~DLozier/OPSFnet/

SIAM-OPSF (OP-SF Talk), which was recently moved to a SIAM server, facilitates communication among members and friends of the Activity Group. To subscribe or to see a link the archive of all messages, go to http://lists.siam.org/mailman/listinfo/siam-OPSF and follow the instructions under the sub-heading "Subscribing to SIAM-OPSF". To contribute an item to the discussion, send email to siam-opsf@siam.org . The moderators are Bonita Saunders (bonita.saunders@nist.gov) and Diego Dominici (dominicd@newpaltz.edu).

SIAM has several categories of membership, including low-cost categories for students and residents of developing countries. In addition, there is the

possibility of reduced rate membership for the members of several societies with which SIAM has a reciprocity agreement; see
http://www.siam.org/membership/individual/reciprocal.php
For current information on SIAM and Activity Group membership, contact:

Society for Industrial and Applied Mathematics
3600 University City Science Center
Philadelphia, PA 19104-2688 USA
phone: +1-215-382-9800
email: service@siam.org
WWW : http://www.siam.org
http://www.siam.org/membership/outreachmem.htm

Topic #10   ---------   OP-SF NET 21.4   --------   July 15, 2014

From: OP-SF NET Editors
Subject: Submitting contributions to OP-SF NET and SIAM-OPSF (OP-SF Talk)

To contribute a news item to OP-SF NET, send email to one of the OP-SF Editors dominicd@newpaltz.edu or muldoon@yorku.ca .
Contributions to OP-SF NET 21.5 should be sent by September 1, 2014.

OP-SF NET is an electronic newsletter of the SIAM Activity Group on Special Functions and Orthogonal Polynomials. We disseminate your contributions on anything of interest to the special functions and orthogonal polynomials community. This includes announcements of conferences, forthcoming books, new software, electronic archives, research questions, and job openings. OP-SF NET is transmitted periodically through a post to SIAM-OPSF (OP-SF Talk).

SIAM-OPSF (OP-SF Talk) is a listserv of the SIAM Activity Group on Special Functions and Orthogonal Polynomials, which facilitates communication among members, and friends of the Activity Group. See the previous Topic. To post an item to the listserv, send email to siam-opsf@siam.org .

WWW home page of this Activity Group:
http://math.nist.gov/opsf/
Information on joining SIAM and this activity group: service@siam.org

The elected Officers of the Activity Group (2014-2016) are:
Chair: Walter Van Assche
Vice Chair: Jeff Geronimo
Program Director: Diego Dominici
Secretary: Yuan Xu
The appointed officers are:
Diego Dominici, OP-SF NET co-editor and OP-SF Talk moderator
Martin Muldoon, OP-SF NET co-editor
Bonita Saunders, Webmaster and OP-SF Talk moderator