
Reference and Book List

The *Reference* section of the Notices is intended to provide the reader with frequently sought information in an easily accessible manner. New information is printed as it becomes available and is referenced after the first printing. As soon as information is updated or otherwise changed, it will be noted in this section.

Contacting the Notices

The preferred method for contacting the *Notices* is electronic mail. The editor is the person to whom to send articles and letters for consideration. Articles include feature articles, memorial articles, communications, opinion pieces, and book reviews. The editor is also the person to whom to send news of unusual interest about other people's mathematics research.

The managing editor is the person to whom to send items for "Mathematics People", "Mathematics Opportunities", "For Your Information", "Reference and Book List", and "Mathematics Calendar". Requests for permissions, as well as all other inquiries, go to the managing editor.

The electronic-mail addresses are notices@math.ou.edu in the case of the editor and notices@ams.org in the case of the managing editor. The fax numbers are 405-325-7484 for the editor and 401-331-3842 for the managing editor. Postal addresses may be found in the masthead.

Upcoming Deadlines

July 15, 2005: Proposals for Leadership Awards of the NSF ADVANCE Program. See the website http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383.

July 21, 2005: Proposals for NSF CAREER Program. See <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05579>.

July 22, 2005: Proposals for Institutional Transformation Awards of the NSF ADVANCE Program. See the

website http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383.

July 31, 2005: Nominations for the Ramanujan Prize of the Abdus Salam International Centre for Theoretical Physics (ICTP). See the website http://www.ictp.trieste.it/~sci_info/awards/Ramanujan/Ramanujan.html.

July 31, 2005: Nominations for the SASTRA Ramanujan Prize. See the

Where to Find It

A brief index to information that appears in this and previous issues of the *Notices*.

AMS Bylaws—November 2003, p. 1283

AMS E-mail Addresses—December 2004, p. 1365

AMS Ethical Guidelines—June/July 2004, p. 675

AMS Officers 2004 and 2005 (Council, Executive Committee, Publications Committees, Board of Trustees)—May 2005, p. 564

AMS Officers and Committee Members—October 2004, p. 1082

Conference Board of the Mathematical Sciences—September 2004, p. 921

Information for Notices Authors—June/July 2005, p. 660

Mathematics Research Institutes Contact Information—August 2005, p. 770

National Science Board—January 2005, p. 76

New Journals for 2004—June/July 2005, p. 662

NRC Board on Mathematical Sciences and Their Applications—March 2005, p. 361

NRC Mathematical Sciences Education Board—April 2005, p. 465

NSF Mathematical and Physical Sciences Advisory Committee—February 2005, p. 261

Program Officers for Federal Funding Agencies—October 2004, p. 1078 (DoD, DoE); December 2004, p. 1368 (NSF)

website <http://www.math.ufl.edu/sastra-prize>.

July 31, 2005: Nominations and applications for the Monroe H. Martin Prize. Contact R. Roy, Director, Institute for Physical Science and Technology, University of Maryland, College Park, MD 20742-2431.

August 1, 2005: Submissions for Competition 2005 of the European Mathematical Society. See the website <http://www.mat.dtu.dk/people/V.L.Hansen/rpa/secondartcomp.html>.

August 19, 2005: Letters of intent for NSF Focused Research Groups. See "Mathematics Opportunities" in this issue.

September 15, 2005: Nominations for Sloan Research Fellowships. See http://www.sloan.org/programs/fellowship_brochure.shtml.

September 16, 2005: Full proposals for NSF Focused Research Groups. See "Mathematics Opportunities" in this issue.

September 16, 2005: Proposals for NSF program on Enhancing the Mathematical Sciences Workforce in the Twenty-First Century. See the website <http://www.nsf.gov/pubs/2003/nsf03575/nsf03575.htm>.

September 30, 2005: Applications for AMS Math in Moscow Scholarships for spring 2006. See "Mathematics Opportunities" in this issue.

September 30, 2005: Nominations for 2005 Information-Based Complexity Young Researcher Award. See "Mathematics Opportunities" in this issue.

October 1, 2005: Nominations for Lucien Godeaux Prize. Contact J. Aghion, c/o Secretariat of the Royal Society of Sciences of Liege, Institute of Mathematics of the University of Liege, 12 Grande Traverse, Sart Tilman Bat. B 37, B-4000 Liege 1, Belgium; email: jaghion@ulg.ac.be.

October 18, 2005: Proposals for NSF Conferences, Workshops, and Special Meetings in the Mathematical Sciences. See http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11701&org=DMS.

October 19, 2005: Applications for NSF Postdoctoral Research Fellowships (MSPRF). See <http://www.nsf.gov/pubsys/ods.getpub.cfm?nsf05510>.

December 2, 2005: Submissions for Ferran Sunyer i Balaguer Prize. See "Mathematics Opportunities" in this issue.

January 1, 2006: Submissions for Competition 2006 of the European Mathematical Society. See the website <http://www.mat.dtu.dk/people/V.L.Hansen/rpa/secondartcomp.html>.

January 1, 2006: Applications for ICM 2006 Travel Grants. See <http://www.icm2006.org> or email: grants@icm2006.org.

January 27, 2006: Proposals for Partnerships for Adaptation, Implementation, and Dissemination Awards of the NSF ADVANCE Program. See the website http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5383.

April 15, 2006: Applications for AMS Math in Moscow Scholarships for fall 2006. See "Mathematics Opportunities" in this issue.

Contact Information for Mathematics Institutes

American Institute of Mathematics
360 Portage Avenue
Palo Alto, CA 94306-2244
Telephone: 650-845-2071
Fax: 650-845-2074
email: conrey@aimath.org
Website: <http://www.aimath.org>

AIM Research Conference Center (ARCC)
360 Portage Avenue
Palo Alto, CA 94306-2244
Telephone: 650-845-2071
Fax: 650-845-2074
email: conrey@aimath.org
Website: <http://www.aimath.org/ARCC/>

Stefan Banach International Mathematical Center
8 Śniadeckich str., P.O. Box 21
00-950 Warszawa, Poland
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628-01-92
Fax: +48-22 622-57-50; 629-39-97
email: banach@impan.gov.pl
Website: <http://www.impan.gov.pl/BC>

Banff International Research Station
c/o PIMS Central Office
University of British Columbia
1933 West Mall
Vancouver, BC V6T 1Z2, Canada
Telephone: 403-762-6100
Fax: 403-763-6990
email: nassif@pims.math.ca
Website: <http://www.pims.math.ca/birs/>

Center for Discrete Mathematics and Theoretical Computer Science (DIMACS)
CoRE Building, 4th Floor
Rutgers University
96 Frelinghuysen Road
Piscataway, NJ 08854-8018
Telephone: 732-445-5930
Fax: 732-445-5932
email: centeradmin@dimacs.rutgers.edu
Website: <http://dimacs.rutgers.edu>

Center for Scientific Computation and Mathematical Modeling (CSCAMM)
University of Maryland
4146 CSIC Building #406
Paint Branch Drive
College Park, MD 20742-3289
Telephone: 301-405-0662
Fax: 301-314-6674
email: info@cscamm.umd.edu
Website: <http://www.cscamm.umd.edu/>

Centre International de Rencontres Mathématiques (CIRM)
163, avenue de Luminy Case 916
F-13288 Marseille Cedex 09, France
Telephone: +33 04 91 83 30 00
Fax: +33 04 91 83 30 05
email: Robert.Coquereaux@cirm.univ-mrs.fr
Website: <http://www.cirm.univmrs.fr>

Centre de Recerca Matemàtica (CRM)
Apartat 50
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Fax: +34 935 812 202
email: crm@crm.es
Website: <http://crm.es>

Centre for Mathematics and Its Applications

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Canberra ACT 0200, Australia
Telephone: +612 612 52897
Fax: +612 612 55549
email: CMAadmin@maths.anu.edu.au
Website: <http://www.maths.anu.edu.au/CMA/>

Centre de Recherches Mathématiques (CRM)

Université de Montréal
C.P. 6128, Succ. Centre ville
Montréal, Quebec, Canada H3C 3J7
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Fax: 514-343-2254
email: activites@crm.umontreal.ca
Website: <http://www.crm.umontreal.ca>

Centro de Investigacion en Matemáticas (CIMAT)

A. P. 402, Guanajuato, Gto.
C.P. 36000, Mexico
Telephone: 473 73 271-55;
73 508-00
Fax: 473 73 257-49
email: cimat@cimat.mx
Website: <http://www.cimat.mx>

Chennai Mathematical Institute

92 G. N. Chetty Road
Chennai 600 017, India
Telephone: +91-44-28157854,
28157855
Fax: +91-44-28157671
email: office@cmi.ac.in
Website: <http://www.cmi.ac.in>

Danish National Research Foundation Network in Mathematical Physics and Stochastics (MaPhySto)

Department of Mathematical Sciences
University of Aarhus
Ny Munkegade, DK-8000 Aarhus C,
Denmark
Telephone: +45 8942 3515
Fax: +45 8613 1769
email: maphysto@imf.au.dk
Website: <http://www.maphysto.dk>

The Erwin Schrödinger International Institute for Mathematical Physics

Boltzmanngasse 9
A-1090 Vienna, Austria
Telephone + 43 1 4277 28282
Fax: + 43 1 4277 28299
email: secr@esi.ac.at
Website: <http://www.esi.ac.at/>

Euler International Mathematical Institute

nab. Fontanka, 27
St. Petersburg 197023, Russia
Telephone: 7 812 312-40-58
Fax: 7 812 310-53-77
email: admin@euler.pdmi.ras.ru
Website: <http://www.pdmi.ras.ru/EIMI/index.html>

The Fields Institute for Research in Mathematical Sciences

222 College Street, 2nd Floor
Toronto, Ontario, Canada M5T 3J1
Telephone: 416-348-9710
Fax: 416-348-9714
email: geninfo@fields.utoronto.ca
Website: <http://www.fields.utoronto.ca/>

Forschungsinstitut für Mathematik (FIM)

Eidgenössische Technische Hochschule Zentrum
Rämistrasse 101
8092 Zurich, Switzerland
Telephone: +41-1-632-3475
email: marcela.kraemer@fim.math.ethz.ch
Website: <http://www.fim.math.ethz.ch/>

Institut des Hautes Études Scientifiques (IHÉS)

Le Bois Marie 35, route de Chartres
F 91440 Bures sur Yvette, France
Telephone: +33 1 60 92 66 00
Fax: +33 1 60 92 66 69
Website: <http://www.ihes.fr>

Institute for Advanced Study (IAS)

School of Mathematics
Einstein Drive
Princeton, NJ 08540
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email: math@math.ias.edu
Website: <http://www.math.ias.edu/>

Institute for Mathematical Sciences

National University of Singapore
3 Prince George's Park
Singapore 118402, Republic of Singapore
Telephone: 65 6874 1897
Fax: 65 6873 8292
email: ims@nus.edu.sg
Website: <http://www.ims.nus.edu.sg>

Institute for Mathematics and its Applications (IMA)

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Fax: 612-626-7370
email: staff@ima.umn.edu
Website: <http://www.ima.umn.edu/>

Institut Henri Poincaré

11, rue Pierre et Marie Curie
75231 Paris Cedex 05, France
Telephone : 01 44 27 67 89
Fax : 01 44 07 09 37
Website: <http://www.ihp.jussieu.fr/>

Institut Mittag Leffler

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Website: <http://www.m1.kva.se/>

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Los Angeles, CA 90095-7121
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email: ipam@ucla.edu
Website: <http://www.ipam.ucla.edu>

Institute of Mathematical Sciences

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Shatin, Hong Kong

Telephone: 852 2609-8038
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Instituto Nacional de Matemática Pura e Aplicada (IMPA)

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00185 Rome, Italy
Telephone: 39 06490320
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Website: <http://www.altamatematica.it>

Korea Institute for Advanced Study (KIAS)

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Mathematical Biosciences Institute

The Ohio State University
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Telephone: 614-292-3648
Fax: 614-247-6643
email: rebecca@mbi.osu.edu
Website: <http://www.mbi.osu.edu>

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Pacific Institute for the Mathematical Sciences (PIMS)

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Research Institute for Mathematical Sciences (RIMS)

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Statistical and Applied Mathematical Sciences Institute (SAMSI)

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 Website: <http://www.samsi.info/>

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Book List

The Book List highlights books that have mathematical themes and are aimed at a broad audience potentially including mathematicians, students, and the general public. When a book has been reviewed in the Notices, a reference is given to the review. Generally the list will contain only books published within the last two years, though exceptions may be made in cases where current events (e.g., the death of a prominent mathematician, coverage of a certain piece of mathematics in the news) warrant drawing readers' attention to older books. Suggestions for books to include on the list may be sent to notices-booklist@ams.org.

*Added to "Book List" since the list's last appearance.

13: The Story of the World's Most Popular Superstition, by Nathaniel Lachenmeyer. Thunder's Mouth Press, October 2004. ISBN 1-568-58306-0.

1089 and All That. A Journey into Mathematics, by David Acheson. Oxford University Press, July 2002. ISBN 0-19-851623-1. (Reviewed February 2005.)

Action This Day, edited by Michael Smith and Ralph Erskine. Random House of Canada, February 2003. ISBN 0-593-04910-1.

Alfred Tarski: Life and Logic, by Anita Burdman Feferman and Solomon Feferman. Cambridge University Press, October 2004. ISBN 0-521-80240-7.

Beyond Coincidence, by Martin Plimmer and Brian King. Icon Books, March 2004. ISBN 1-840-46534-4.

Beyond Reason: Eight Great Problems That Reveal the Limits of Science, by A. K. Dewdney. Wiley, April 2004. ISBN 0-471-01398-6.

A Brief History of Infinity, by Paolo Zellini. Penguin Books (paperback), March 2005. ISBN 0-141-00762-1.

The Calculus Gallery: Masterpieces from Newton to Lebesgue, by William Dunham. Princeton University Press, December 2004. ISBN 0-691-09565-5.

Chance: A Guide to Gambling, Love, the Stock Market and Just About Everything Else, by Amir D. Aczel. Four Walls Eight Windows, October 2004. ISBN

1-568-58316-8. (Reviewed in this issue.)

The Colours of Infinity: The Beauty and Power of Fractals, by Michael Barnsley, Nigel Lesmoir-Gordon, Benoit B. Mandelbrot, Ian Stewart, Gary Flake, Robert Prechter, and Arthur C. Clarke. Clear Press, March 2004. ISBN 1-904-55505-5.

Complexities: Women in Mathematics, edited by Bettye Anne Case and Anne M. Leggett. Princeton University Press, January 2005. ISBN 0-691-11462-5.

Constantin Carathéodory: Mathematics and Politics in Turbulent Times, by M. Georgiadou. Springer, September 2004. ISBN 3-540-44258-8.

The Constants of Nature: From Alpha to Omega—The Numbers That Encode the Deepest Secrets of the Universe, by John D. Barrow. Jonathan Cape, September 2002. Pantheon Books, January 2003. ISBN 0-375-42221-8. (Reviewed November 2004.)

Converging Realities: Toward a Common Philosophy of Physics and Mathematics, by Roland Omnes. Princeton University Press, November 2004. ISBN 0-691-11530-3.

The Curious Incident of the Dog in the Nighttime, by Mark Haddon. Vintage, May 2004. ISBN 1-400-03271-7.

Dark Hero of the Information Age: In Search of Norbert Wiener, by Flo Conway and Jim Siegelman. Basic Books, December 2004. ISBN 0-738-20368-8.

The Essential Turing, edited by B. Jack Copeland. Oxford University Press, September 2004. ISBN 0-198-25080-0.

From Eudoxus to Einstein: A History of Mathematical Astronomy, by C. M. Linton. Cambridge University Press, August 2004. ISBN 0-521-82750-7.

Geometry and Meaning, by Dominic Widdows. Center for the Study of Language and Information, November 2004. ISBN 1-575-86448-7.

The Golden Ratio: The Story of Phi, the World's Most Astonishing Number, by Mario Livio. Broadway Books, October 2002. ISBN 0-767-90815-5. (Reviewed March 2005.)

Graphic Discovery: A Trout in the Milk and Other Visual Adventures, by Howard Wainer. Princeton University

Press, October 2004. ISBN 0-691-10301-1.

A Handbook of Mathematical Discourse, by Charles Wells. Infinity Publishing Company, 2003. ISBN 0-7414-1685-9. (Reviewed September 2004.)

The Heart of Mathematics: An Invitation to Effective Thinking, by Edward B. Burger and Michael Starbird. Key College Publishing (Springer-Verlag), April 2000. ISBN 0-555953-407-9. (Reviewed February 2005.)

Incompleteness: The Proof and Paradox of Kurt Gödel, by Rebecca Goldstein. W. W. Norton & Company, February 2005. ISBN 0-393-05169-2.

The Infinite Book: Where Things Happen That Don't, by John D. Barrow. Jonathan Cape, February 2005. ISBN 0-224-06917-9.

John Pell (1611-1685) and His Correspondence with Sir Charles Cavendish: The Mental World of an Early Modern Mathematician, by Noel Malcolm and Jacqueline Stedall. Oxford University Press, second edition, January 2005. ISBN 0-198-56484-8.

Karl Pearson: The Scientific Life in a Statistical Age, by Theodore M. Porter. Princeton University Press, February 2004. ISBN 0-691-11445-5.

Kepler's Conjecture: How Some of the Greatest Minds in History Helped Solve One of the Oldest Math Problems in the World, by George G. Szpiro. Wiley, January 2003. ISBN 0-471-08601-0. (Reviewed January 2005.)

The Knot Book: An Elementary Introduction to the Mathematical Theory of Knots, Colin C. Adams. AMS, September 2004. ISBN 0-8218-3678-1.

Knots and Links, by Peter R. Cromwell. Cambridge University Press, October 2004. ISBN 0-691-10301-1.

The Liar Paradox and the Towers of Hanoi: The Ten Greatest Math Puzzles of All Time, by Marcel Danesi. Wiley, August 2004. ISBN 0-471-64816-7.

Luck, Logic, and White Lies: The Mathematics of Games, by Jorg Bewersdorff. Translated by David Kramer. A K Peters, November 2004. ISBN 1-568-81210-8.

Math and the Mona Lisa: The Art and Science of Leonardo da Vinci, by Bulent Atalay. Smithsonian Books, April 2004. ISBN 1-588-34171-2.

* *The Math Instinct: Why You're a Mathematical Genius (Along with Lobsters, Birds, Cats, and Dogs)*, by Keith Devlin. Thunder's Mouth Press, March 2005. ISBN 1-560-25672-9.

Math Magic: How to Master Everyday Math Problems, by Scott Flansburg. Perennial Currents, revised edition, August 2004. ISBN 0-060-72635-0.

Math through the Ages: A Gentle History for Teachers and Others, by William P. Berlinghoff and Fernando Q. Gouvêa. Oton House, 2002. ISBN 1-881929-21-3. (Reviewed October 2004.)

The Mathematical Century: The 30 Greatest Problems of the Last 100 Years, by Piergiorgio Odifreddi and Arturo Sangalli. Princeton University Press, May 2004. ISBN 0-691-09294-X.

Mathematical Illustrations: A Manual of Geometry and PostScript, by Bill Casselman. Cambridge University Press, December 2004. ISBN 0-521-54788-1.

A Mathematician at the Ballpark: Odds and Probabilities for Baseball Fans, by Ken Ross. Pi Press, July 2004. ISBN 0-131-47990-3.

Mathematicians under the Nazis, by Sanford L. Segal. Princeton University Press, July 2003. ISBN 0-691-00451-X. (Reviewed April 2005.)

Mathematics: A Very Short Introduction, by Timothy Gowers. Oxford University Press, October 2002. ISBN 0-192-85361-9. (Reviewed February 2005.)

Mathematics in Nature: Modeling Patterns in the Natural World, by John Adam. Princeton University Press, November 2003. ISBN 0-691-11429-3. (Reviewed June/July 2005.)

The (Mis)Behavior of Markets: A Fractal View of Risk, Ruin and Reward, by Benoit Mandelbrot and Richard Hudson. Basic Books, August 2004. ISBN 0-465-04355-0.

More Damned Lies and Statistics: How Numbers Confuse Public Issues, by Joel Best. University of California Press, August 2004. ISBN 0-520-23830-3.

More Mathematical Astronomy Morsels, by Jean Meeus. Willmann-Bell Inc., 2002. ISBN 0-943396-743.

Musings of the Masters: An Anthology of Miscellaneous Reflections, edited by Raymond G. Ayoub.

Mathematical Association of America, 2004. ISBN 0-88385-549-6.

* *The Newtonian Moment: Isaac Newton and the Making of Modern Culture*, by Mordechai Feingold. New York Library and Oxford University Press, December 2004. ISBN 0-195-17735-5.

Number Theory from an Analytic Point of View, by Badi H. Ghousayni. Komati, December 2003. ISBN 9953-0-0282-7.

Numbers, The Language of Science, by Tobias Dantzig. Pi Press, fifth edition, March 2005. ISBN 0-131-85627-8.

The Oxford Murders, by Guillermo Martinez. Abacus, January 2005. ISBN 0-349-11721-7.

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