

# 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](mailto:notices@math.ou.edu) in the case of the editor and [notices@ams.org](mailto: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 19, 2007:** Proposals for NSF CAREER program. See <http://www.nsf.gov/pubs/ods/getpub.cfm?nsf05579>.

**July 31, 2007:** Nominations for ICTP Ramanujan Prize. See [\[trieste.it/%7Esci\\\_info/awards/Ramanujan/Ramanujan.html\]\(http://www.ictp.it/%7Esci\_info/awards/Ramanujan/Ramanujan.html\).](http://news.ictp.it/php/linkout/o.php?out=http://www.ictp.</a></p></div><div data-bbox=)

**August 15, 2007:** Nominations for SASTRA Ramanujan Prize. See <http://www.math.ufl.edu/sastra-prize/>.

**August 17, 2007:** Letters of intent for NSF Focused Research Groups. See "Mathematics Opportunities" in this issue.

**September 15, 2007:** Nominations for Sloan Research Fellowships. See [http://www.sloan.org/programs/fellowship\\_brochure.shtml](http://www.sloan.org/programs/fellowship_brochure.shtml).

**September 21, 2007:** Full proposals for NSF Focused Research Groups. See "Mathematics Opportunities" in this issue.

**October 1, 2007:** Applications for AWM Travel Grants. See [http://www.awm-math.org/travelgrants.](http://www.awm-math.org/travelgrants.html)

[html](http://www.awm-math.org/travelgrants.html); telephone 703-934-0163; email: [awm@math.umd.edu](mailto:awm@math.umd.edu); or contact Association for Women in Mathematics, 11240 Waples Mill Road, Suite 200, Fairfax, VA 22030.

**October 5, 2007:** Full proposals for NSF IGERT competition. See <http://www.nsf.gov/pubs/2007/nsf07540/nsf07540.htm>.

**October 15:** Deadline for proposal submissions for NSA Mathematical Sciences Program grants for research. See "Mathematics Opportunities" in this issue.

**October 15, 2007:** Preferred deadline for January entrance in junior-year program at the Smith College Center for Women in Mathematics. See <http://www.math.smith.edu/center>.

## Where to Find It

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

**AMS Bylaws**—November 2005, p. 1239

**AMS Email Addresses**—February 2007, p. 271

**AMS Ethical Guidelines**—June/July 2006, p. 701

**AMS Officers 2006 and 2007 (Council, Executive Committee, Publications Committees, Board of Trustees)**—May 2007, p. 657

**AMS Officers and Committee Members**—October 2006, p. 1076

**Conference Board of the Mathematical Sciences**—September 2006, p. 911

**Information for Notices Authors**—June/July 2007, p. 765

**Mathematics Research Institutes Contact Information**—August 2007, p. 898

**National Science Board**—January 2007, p. 57

**New Journals for 2005, 2006**—June/July 2007, p. 767

**NRC Board on Mathematical Sciences and Their Applications**—March 2007, p. 426

**NRC Mathematical Sciences Education Board**—April 2007, p. 546

**NSF Mathematical and Physical Sciences Advisory Committee**—February 2007, p. 274

**Program Officers for Federal Funding Agencies**—October 2006, p. 1072 (DoD, DoE); December 2006, p. 1369 (NSF)

**Stipends for Study and Travel**—September 2006, p. 913

**October 17, 2007:** Applications for NSF Mathematical Sciences Postdoctoral Research Fellowships. See "Mathematics Opportunities" in this issue.

**October 17, 2007:** Full proposals for NSF Computational Science Training for Undergraduates in the Mathematical Sciences (CSUMS). See [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf06559](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06559).

**October 17, 2007:** Proposals for NSF Postdoctoral Research Fellowships. See [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5301&org=DMS](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5301&org=DMS).

**November 15:** Target date for receipt of applications for NSA Mathematics Sabbatical Program. See "Mathematics Opportunities" in this issue.

**January 5, 2008:** Applications for IMA postdoctoral and New Directions program. See <http://www/ima.umn.edu>.

### 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](mailto:conrey@aimath.org)  
Website: <http://www.aimath.org>

**Stefan Banach International Mathematical Center**  
8 Śniadeckich str., P.O. Box 21  
00-956 Warszawa, Poland  
Telephone: 48-22-522-82-32  
Fax: 48-22-622-57-50  
email: [Banach.Center.Office@impan.gov.pl](mailto:Banach.Center.Office@impan.gov.pl)  
Website: <http://www.impan.gov.pl/BC>

**Banff International Research Station**  
c/o PIMS Central Office  
University of British Columbia  
200-1933 West Mall  
Vancouver, BC V6T 1Z2, Canada  
Telephone: 604-822-1649  
Fax: 604-822-0883  
email: [birs-director@birs.ca](mailto:birs-director@birs.ca)  
Website: <http://www.birs.ca>

**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: [admin@dimacs.rutgers.edu](mailto:admin@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](mailto: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: [colloque@cirm.univ-mrs.fr](mailto:colloque@cirm.univ-mrs.fr)  
Website: <http://www.cirm.univ-mrs.fr>

**Centre for Mathematics and Its Applications**  
Building 27  
Australian National University  
Canberra ACT 0200, Australia  
Telephone: 612-612-52897  
Fax: 612-612-55549  
email: [CMAadmin@maths.anu.edu.au](mailto:CMAadmin@maths.anu.edu.au)  
Website: <http://www.maths.anu.edu.au/CMA/>

**Centre de Recerca Matemàtica (CRM)**  
Apartat 50  
E 08193 Bellaterra, Spain  
Telephone: 34 935 811 081  
Fax: 34 935 812 202  
email: [crm@crm.cat](mailto:crm@crm.cat)  
Website: <http://www.crm.cat>

**Centre de Recherches Mathématiques (CRM)**  
Université de Montréal  
C.P. 6128, Succ. Centre-ville  
Montréal, Québec, Canada H3C 3J7  
Telephone: 514-343-7501  
Fax: 514-343-2254  
email: [activites@crm.umontreal.ca](mailto: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: 52 473 73 271-55  
or 52 473 73 508-00  
Fax: 52 473 73 257-49  
email: [cimat@cimat.mx](mailto:cimat@cimat.mx)  
Website: <http://www.cimat.mx>

**Chennai Mathematical Institute**  
Plot H1, SIPCOT IT Park  
Padur PO, Siruseri 603103, India  
Telephone: 91-44-3298-3441,  
91-44-3298-3442  
Fax: 91-44-2747-0225  
email: [office@cmi.ac.in](mailto:office@cmi.ac.in)  
Website: <http://www.cmi.ac.in>

**Chern Institute of Mathematics**  
Nankai University  
Tianjin 300071, China  
Telephone: 86-22-2350-8228  
Fax: 86-22-2350-1532  
email: [cim@nankai.edu.cn](mailto:cim@nankai.edu.cn)  
Website: [http://www.nim.nankai.edu.cn/nim\\_e/index.htm](http://www.nim.nankai.edu.cn/nim_e/index.htm)

**Euler International Mathematical Institute**  
nab. Fontanki, 27  
St. Petersburg 191023, Russia  
Telephone: 7 812 312-40-58  
Fax: 7 812 310-53-77  
email: [admin@euler.pdmi.ras.ru](mailto:admin@euler.pdmi.ras.ru)  
Website: <http://www.pdmi.ras.ru/EIMI/index.html>

**Fields Institute for Research in Mathematical Sciences**  
222 College Street, 2nd Floor  
Toronto, Ontario M5T 3J1, Canada  
Telephone: 416-348-9710  
Fax: 416-348-9714  
email: [geninfo@fields.utoronto.ca](mailto:geninfo@fields.utoronto.ca)  
Website: <http://www.fields.utoronto.ca>

**Forschungsinstitut für Mathematik (FIM)**

Eidgenössische Technische  
Hochschule Zentrum  
Rämistrasse 101  
8092 Zurich, Switzerland  
Telephone: 41-44-632-3475  
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>

**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**

Auravägen 17  
SE 182 60 Djursholm, Sweden  
Telephone: 46 8 622 05 60  
Fax: 46 8 622 05 89  
email: [info@mittag-leffler.se](mailto:info@mittag-leffler.se)  
Website: <http://www.mittag-leffler.se>

**Institute for Advanced Study (IAS)**

School of Mathematics  
1 Einstein Drive  
Princeton, NJ 08540  
Telephone: 609-734-8100  
Fax: 609-951-4459  
email: [math@math.ias.edu](mailto: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: 65-6516-1897  
Fax: 65-6873-8292  
email: [ims@nus.edu.sg](mailto:ims@nus.edu.sg)  
Website: <http://www.ims.nus.edu.sg>

**Institute of Mathematical Sciences**

Chinese University of Hong Kong  
Academic Building No. 1, Unit 601  
Shatin, N. T., Hong Kong  
Telephone: 852-2609-8038  
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Website: <http://www.ims.cuhk.edu.hk>

**Institute for Mathematics and its Applications (IMA)**

University of Minnesota  
114 Lind Hall  
207 Church Street, SE  
Minneapolis, MN 55455-0436  
Telephone: 612-624-6066  
Fax: 612-626-7370  
email: [staff@ima.umn.edu](mailto:staff@ima.umn.edu)  
Website: <http://www.ima.umn.edu>

**Institute for Pure and Applied Mathematics (IPAM)**

IPAM Building  
460 Portola Plaza, Box 957121  
Los Angeles, CA 90095-7121  
Telephone: 310-825-4755  
Fax: 310-825-4756  
email: [ipam@ucla.edu](mailto:ipam@ucla.edu)  
Website: <http://www.ipam.ucla.edu>

**Institute for Studies in Theoretical Physics and Mathematics**

P. O. Box 19395-5746  
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email: [ipmmath@ipm.ir](mailto:ipmmath@ipm.ir)  
Website: <http://math.ipm.ac.ir>

**Instituto Nacional de Matemática Pura e Aplicada (IMPA)**

Estrada Dona Castorina, 110  
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Website: <http://www.impa.br>

**International Center for Theoretical Physics (ICTP)**

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34014 Trieste, Italy  
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Website: <http://www.ictp.it>

**International Centre for Mathematical Sciences (ICMS)**

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**Isaac Newton Institute for Mathematical Sciences**  
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Fax: 44 1223 330508  
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Website: <http://www.newton.cam.ac.uk>

**Istituto Nazionale di Alta Matematica "F. Severi" (INDAM)**

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Website: <http://www.altamatematica.it>

**Korea Institute for Advanced Study (KIAS)**

207-43 Cheongnyangni 2-dong  
Dongdaemun-gu  
Seoul 130-722, Korea  
Telephone: 82-2-958-3711  
Fax: 82-2-958-3770  
Website: <http://www.kias.re.kr>

**Mathematical Biosciences Institute**

The Ohio State University  
Mathematics Building, 2nd floor  
231 W. 18th Avenue  
Columbus, OH 43210  
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Fax: 614-247-6643  
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Website: <http://www.mbi.osu.edu>

**Mathematical Sciences Research Institute (MSRI)**

17 Gauss Way  
Berkeley, CA 94720-5070  
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Website: <http://www.msri.org>

**Mathematisches Forschungs-  
institut (Oberwolfach)**

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D 77709 Oberwolfach Walke,  
Germany  
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Fax: 49 7834 979 38  
email: admin@mfo.de  
Website: <http://www.mfo.de>

**Max-Planck-Institut für  
Mathematik**

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Fax: 49 228 402277  
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**Max-Planck-Institut für  
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email: bieling@mis.mpg.de  
Website: <http://www.mis.mpg.de>

**New Zealand Institute of  
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(NZIMA)**

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Private Bag 92019  
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auckland.ac.nz  
Website: <http://www.nzima.auckland.ac.nz>

**Pacific Institute for the  
Mathematical Sciences (PIMS)**

University of British Columbia  
1933 West Mall, Room 200  
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email: pims@pims.math.ca  
Website: <http://www.pims.math.ca>

**Alfréd Rényi Institute of  
Mathematics**

Hungarian Academy of Sciences  
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email: math@renyi.hu  
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**Research Institute for  
Mathematical Sciences (RIMS)**  
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Kyoto 606 8502, Japan  
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**Erwin Schrödinger  
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Mathematical Physics**

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email: secr@esi.ac.at  
Website: <http://www.esi.ac.at>

**Sobolev Institute of Mathematics**

Russian Academy of Sciences,  
Siberian Branch  
4 Acad. Koptuyug Avenue  
Novosibirsk, 630090 Russia  
Telephone: 383 333 28 92  
Fax: 383 333 25 98  
email: im@math.nsc.ru  
Website: <http://www.math.nsc.ru>

**Statistical and Applied  
Mathematical Sciences Institute  
(SAMSI)**

19 T. W. Alexander Drive  
P.O. Box 14006  
Research Triangle Park, NC 27709-  
4006  
Telephone: 919-685-9350  
Fax: 919-685-9360  
email: info@samsi.info  
Website: <http://www.samsi.info>

**Steklov Institute of Mathematics**

Russian Academy of Sciences  
Gubkina str. 8  
119991 Moscow, Russia  
Telephone: 7-495-135-22-91  
Fax: 7-495-135-05-55  
email: steklov@mi.ras.ru  
Website: [http://www.mi.ras.ru/index\\_e.html](http://www.mi.ras.ru/index_e.html)

**Steklov Institute of Mathematics**

27, Fontanka  
St. Petersburg 191023, Russia  
Telephone: 7-812-312-40-58  
Fax: 7-812-310-53-77  
email: admin@pdmi.ras.ru  
Website: <http://www.pdmi.ras.ru>

**Tata Institute of Fundamental  
Research**

School of Mathematics  
Dr. Homi Bhabha Road  
Mumbai 400 005, India  
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Fax: 91 22 22804610/22804611  
email: registra@tifr.res.in  
Website: <http://www.math.tifr.res.in>

**T. N. Thiele Centre for Applied  
Mathematics in Natural Science**

University of Aarhus  
Department of Mathematical  
Sciences  
Ny Munkegade, Building 1530  
DK-8000 Aarhus, Denmark  
Telephone: 45 8942 3515  
Fax: 45 8613 1769  
email: thiele@imf.au.dk  
Website: <http://www.thiele.au.dk>

**Warwick Mathematics Research  
Centre**

University of Warwick  
Coventry CV4 7AL, United Kingdom  
Telephone: +44 (0)24 7652 8317  
Fax: +44 (0)24 7652 3548  
email: mrc@maths.warwick.ac.uk  
Website: <http://www.maths.warwick.ac.uk/mrc/index.html>

**Weierstrass Institute for Applied  
Analysis and Stochastics**

Mohrenstrasse 39  
10117 Berlin, Germany  
Telephone: 49-30-203720  
Fax: 49-30-2044975  
email: contact@wias-berlin.de  
Website: <http://www.wias-berlin.de>

**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](mailto:notices-booklist@ams.org).

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

*An Abundance of Katherines*, by John Green. Dutton Juvenile Books, September 2006. ISBN 0-525-47688-1.

*Analysis and Probability: Wavelets, Signals, Fractals*, by Palle E. T. Jorgensen. Springer, September 2006. ISBN 0-387-29519-4.

*Ants, Bikes, and Clocks: Problem Solving for Undergraduates*, by William Briggs. Society for Industrial and Applied Mathematics, 2005. ISBN 0-89871-574-1.

*The Archimedes Codex*, by Reviel Netz and William Noel. Weidenfeld and Nicolson, May 2007. ISBN-13: 978-0-29764-547-4.

*The Art of Mathematics: Coffee Time in Memphis*, by Béla Bollobás. Cambridge University Press, September 2006. ISBN-13: 978-0-52169-395-0.

*Arthur Cayley: Mathematician Laureate of the Victorian Age*, by Tony Crilly. Johns Hopkins University Press, December 2005. ISBN 0-801-88011-4.

*The Artist and the Mathematician: The Story of Nicolas Bourbaki, the Genius Mathematician Who Never Existed*, by Amir D. Aczel. Thunder's Mouth Press, August 2006. ISBN 1-560-25931-0.

*A Beautiful Math: John Nash, Game Theory, and the Modern Quest for a Code of Nature*, by Tom Siegfried. Joseph Henry Press, October 2006. ISBN 0-309-10192-1.

*The Best of All Possible Worlds: Mathematics and Destiny*, by Ivar Ekeland. University of Chicago Press, October 2006. ISBN-13: 978-0-226-19994-8.

*Bourbaki, a Secret Society of Mathematicians*, by Maurice Mashaal. AMS, June 2006. ISBN 0-8218-3967-5.

*The Cat in Numberland*, by Ivar Ekeland. Cricket Books, April 2006. ISBN-13: 978-0-812-62744-2.

*Chases and Escapes: The Mathematics of Pursuit and Evasion*, by Paul J. Nahin. Princeton University Press, May 2007. ISBN-13: 978-0-69112-514-5.

*Descartes: A Biography*, by Desmond Clarke. Cambridge University Press, March 2006. ISBN 0-521-82301-3.

*Descartes: The Life and Times of a Genius*, by A. C. Grayling. Walker & Company, November 2006. ISBN 0-8027-1501-X.

*Einstein's Heroes: Imagining the World through the Language of Mathematics*, by Robyn Arianrhod. Oxford University Press, July 2006. ISBN-13: 978-0-195-30890-7.

*The Essential Turing*, edited by B. Jack Copeland. Oxford University Press, September 2004. ISBN 0-198-25080-0. (Reviewed November 2006.)

*Euclid in the Rainforest: Discovering Universal Truths in Logic and Math*, by Joseph Mazur. Pi Press, October 2004. ISBN 0-131-47994-6.

*Evolutionary Dynamics: Exploring the Equations of Life*, by Martin Nowak. Belknap Press, September 2006. ISBN 0-674-02338-2.

*The Fabulous Fibonacci Numbers*, by Alfred S. Posamentier and Ingmar Lehmann. Prometheus Books, February 2007. ISBN 1-591-02475-7.

*Fearless Symmetry: Exposing the Hidden Patterns of Numbers*, by Avner Ash and Robert Gross. Princeton University Press, May 2006. ISBN 0-691-12492-2. (Reviewed January 2007.)

*Fly Me to the Moon: An Insider's Guide to the New Science of Space Travel*, by Edward Belbruno. Princeton University Press, January 2007. ISBN-13: 978-0-691-12822-1.

*From Cosmos to Chaos: The Science of Unpredictability*, by Peter Coles. Oxford University Press, August 2006. ISBN 0-198-56762-6.

*From Zero to Infinity: What Makes Numbers Interesting*, by Constance Reid. Fiftieth anniversary edition, A K Peters, February 2006. ISBN 1-568-81273-6. (Reviewed February 2007.)

*Gödel's Theorem: An Incomplete Guide to Its Use and Abuse*, by Torkel

Franzen. A K Peters, May 2005. ISBN 1-568-81238-8. (Reviewed March 2007.)

*Great Feuds in Mathematics: Ten of the Liveliest Disputes Ever*, by Hal Hellman. Wiley, September 2006. ISBN 0-471-64877-9.

*How Mathematics Happened*, by Peter S. Rudman. Prometheus Books, October 2006. ISBN 1-591-02477-3.

*How to Cut a Cake: And Other Mathematical Conundrums*, by Ian Stewart. Oxford University Press, November 2006. ISBN 0-199-20590-6.

*I Am a Strange Loop*, by Douglas R. Hofstadter. Basic Books, March 2007. ISBN-13: 978-0-46503-078-1. (Reviewed in this issue.)

*John von Neumann: Selected Letters*, edited by Miklós Rédei. AMS, November 2005. ISBN 0-8218-3776-1. (Reviewed June/July 2007.)

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