

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 24, 2008: Proposals for NSF Faculty Early Career Development (CAREER) Program. See "Mathematics Opportunities" in this issue.

July 31, 2008: Nominations for ICTP Ramanujan Prize. See <http://prizes.ictp.it/prizes/Ramanujan/>.

August 1, 2008: Applications for August review for the National Academies Postdoctoral and Senior Research Associateship Programs. See <http://www7.nationalacademies.org/rap/index.html> or contact Research Associateship Programs, National Research Council, Keck 568, 500 Fifth Street, NW, Washington, DC

20001; telephone 202-334-2760; fax 202-334-2759; email: `rap@nas.edu`.

August 15, 2008: Letters of intent for NSF Focused Research Groups. See "Mathematics Opportunities" in this issue.

August 15, 2008: Nominations for SASTRA Ramanujan Prize. See <http://www.math.ufl.edu/sastra-prize/nominations-2008.html> or email: `sastraprizemath.ufl.edu`.

August 18, 2008: Applications for NSF Research Experiences for

Where to Find It

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Undergraduates (REU) program sites. See http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07569.

September 15, 2008: Nominations for Sloan Research Fellowships. See http://www.sloan.org/programs/fellowship_brochure.shtml or contact Sloan Research Fellowships, Alfred P. Sloan Foundation, 630 Fifth Avenue, Suite 2550, New York, NY 10111-0242.

September 19, 2008: Full proposals for NSF Focused Research Groups. See "Mathematics Opportunities" in this issue.

September 30, 2008: Nominations for 2008 Information-Based Complexity Young Researcher Award. See "Mathematics Opportunities" in this issue.

October 1, 2008: Applications for AWM Travel Grants. See <http://www.awm-math.org/travelgrants.html>; telephone: 703-934-0163; email: awm@awm-math.edu; or contact Association for Women in Mathematics, 11240 Waples Mill Road, Suite 200, Fairfax, VA 22030.

October 15, 2008: Applications for NSF Mathematical Sciences Postdoctoral Research Fellowships. See "Mathematics Opportunities" in this issue.

October 15, 2008: Proposals for NSA Mathematical Sciences Program research grants. See "Mathematics Opportunities" in this issue.

November 1, 2008: Applications for November review for the National Academies Postdoctoral and Senior Research Associateship Programs. See <http://www7.nationalacademies.org/rap/index.html> or contact Research Associateship Programs, National Research Council, Keck 568, 500 Fifth Street, NW, Washington, DC 20001; telephone 202-334-2760; fax 202-334-2759; email: rap@nas.edu.

November 15, 2008: Target date for receipt of applications for NSA Mathematics Sabbatical Program. 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
<http://www.aimath.org>

Stefan Banach International Mathematical Center

8 Śniadeckich str., P.O. Box 21
00-956 Warszawa, Poland
Telephone: 48 (0) 22 522-82-32
Fax: 48 (0) 22 622-57-50
email: Banach.Center.Office@impan.gov.pl
<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
<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: center-admin@dimacs.rutgers.edu
<http://dimacs.rutgers.edu>

Center for Scientific Computation and Mathematical Modeling (CSCAMM)

University of Maryland
Building #406, Paint Branch Drive
College Park, MD 20742-3289
Telephone: 301-405-0662
Fax: 301-314-6674
email: cscamm@cscamm.umd.edu
<http://www.cscamm.umd.edu/>

Center for the Topology and Quantization of Moduli Spaces

Department of Mathematical Sciences
Faculty of Science
University of Aarhus
Ny Munkegade, Building 1530
8000 Aarhus C, Denmark
Telephone: 45 8942 3432
email: ctqm@imf.au.dk
<http://www.ctqm.au.dk/>

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@cirminiv-mrs.fr
<http://www.cirm.univ-mrs.fr>

Centre de Recerca Matemàtica (CRM)

Apartat 50
E 08193 Bellaterra, Spain
Telephone: 34 93 581 10 81
Fax: 34 93 581 22 02
email: crm@crm.cat
<http://www.crm.cat>

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
<http://www.maths.anu.edu.au/CMA/>

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
<http://www.crm.umontreal.ca>

Centro de Investigacion en Matemáticas (CIMAT)

Jalisco S/N, Col. Mineral de Valenciana
36240, Guanajuato, Gto
Mexico
Telephone: +52 473 732 7155/735 0800

Fax: +52 473 732 5749
 email: jcarlos@cimat.mx
 http://www.cimat.mx

Centro di Ricerca Matematica

Ennio de Giorgi

Collegio Puteano
 Scuola Normale Superiore
 Piazza dei Cavalieri, 3
 I-56100 Pisa, Italy
 Telephone: 39 (050) 509256
 email: crm@crm.sns.it
 http://www.crm.sns.it/index_02.html

Centro Internazionale per la Ricerca Matematica

Fondazione Bruno Kessler
 Via Sommarive, 14
 38050 Povo, Trento, Italy
 Telephone: 39-0461-881628
 Fax: 39-0461-810629
 email: micheletti@fbk.eu,
 michelet@science.unitn.it
 http://www.science.unitn.it/cirm/

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
 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
 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
 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
 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
 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
 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
 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
 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
 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
 http://www.ims.nus.edu.sg

Institute of Mathematical Sciences

Chinese University of Hong Kong
 Unit 601, Academic Building No. 1
 Shatin, N. T., Hong Kong
 Telephone: 852 2609 8038
 Fax: 852 2603 7636
 email: ims@ims.cuhk.edu.hk
 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 55455-0134
 Telephone: 612-624-6066
 Fax: 612-626-7370
 email: staff@ima.umn.edu
 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
 http://www.ipam.ucla.edu

Institute for Studies in Theoretical Physics and Mathematics

P. O. Box 19395-5746
 Tehran, Iran
 Telephone: 98-21-22290928
 Fax: 98-21-22290648
 email: ipmmath@ipm.ir
 http://math.ipm.ac.ir

Instituto Nacional de Matemática Pura e Aplicada (IMPA)

Estrada Dona Castorina, 110
 Jardim Botânico
 CEP 22460-320
 Rio de Janeiro, RJ, Brazil
 Telephone: 55 21 2529 5000
 Fax: 55 21 2512 4115
 email: diretor@impa.br
 http://www.impa.br

International Center for Theoretical Physics (ICTP)

Strada Costiera 11
 34014 Trieste, Italy
 Telephone: 39 040 2240111
 Fax: 39 040 224163
 email: sci_info@ictp.it
 http://www.ictp.it

**International Centre for
Mathematical Sciences (ICMS)**
14 India Street
Edinburgh EH3 6EZ, United Kingdom
Telephone: 44 (0)131 220 1777
Fax: 44 (0)131 220 1053
email: enquiries@icms.org.uk
http://www.icms.org.uk/index.
php

**Isaac Newton Institute for
Mathematical Sciences**
20 Clarkson Road
Cambridge CB3 0EH, United Kingdom
Telephone: 44 1223 335999
Fax: 44 1223 330508
email: info@newton.cam.ac.uk
http://www.newton.cam.ac.uk/

**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
http://www.kias.re.kr

Mathematical Biosciences Institute
The Ohio State University
Jennings Hall, 3rd Floor
1735 Neil Avenue
Columbus, OH 43210
Telephone: 614-292-3648
Fax: 614-247-6643
email: rebecca@mbi.osu.edu
http://www.mbi.osu.edu

**Mathematical Sciences Research
Institute (MSRI)**
17 Gauss Way
Berkeley, CA 94720-5070
Telephone: 510-642-0143
Fax: 510-642-8609
email: msri-inquiries@msri.org
http://www.msri.org/

**Mathematisches
Forschungsinstitut (Oberwolfach)**
Schwarzwaldstr. 9-11 (Lorenzenhof)
D 77709 Oberwolfach Walke,
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http://www.mfo.de

**Max Planck Institut für
Mathematik**
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**Max Planck Institut für
Mathematik in den
Naturwissenschaften**
Inselstrasse 22
04103 Leipzig, Germany
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http://www.mis.mpg.de/

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http://www.renyi.hu

**Research Institute for
Mathematical Sciences (RIMS)**
Kyoto University
Kyoto, 606 8502, Japan
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Fax: 81-75-753-7272
http://www.kurims.kyoto-u.
ac.jp/

**Erwin Schrödinger International
Institute for Mathematical Physics**
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Russian Academy of Sciences,
Siberian Branch
4 Acad. Koptyug Avenue
630090 Novosibirsk, Russia
Telephone: 383 333 28 92
Fax: 383 333 25 98
email: im@math.nsc.ru
http://math.nsc.ru

**Statistical and Applied
Mathematical Sciences Institute
(SAMSI)**
19 T. W. Alexander Drive
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4006
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Steklov Institute of Mathematics
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Fax: 7 812 310-53-77
email: admin@pdmi.ras.ru
http://www.pdmi.ras.ru

**Tata Institute of Fundamental
Research**
School of Mathematics
Dr. Homi Bhabha Road
Mumbai 400 005, India
Telephone: 91 22 22782000
Fax: 91 22 22804610;
91 22 22804611
http://www.math.tifr.res.in

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

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

Warwick Mathematics Research Centre

University of Warwick
 Coventry CV4 7AL, United Kingdom
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 Fax: +44 (0)24 7652 3548
 email: mrc@maths.warwick.ac.uk
 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
 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.

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

Alfred Tarski: Life and Logic, by Anita Burdman Feferman and Solomon Feferman. Cambridge University Press, October 2004. ISBN 0-521-80240-7. (Reviewed September 2007.)

Amongst Mathematicians: Teaching and Learning Mathematics at University Level, by Elena Nardi. Springer, November 2007. ISBN-13: 978-0-387-37141-2.

The Archimedes Codex: How a Medieval Prayer Book Is Revealing the True Genius of Antiquity's Greatest Scientist, by Reviel Netz and William Noel. Da Capo Press, October 2007. ISBN-13: 978-0-3068-1580-5.

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 1-5602-5931-0. (Reviewed October 2007.)

Benjamin Franklin's Numbers: An Unsung Mathematical Odyssey, by Paul C. Pasles. Princeton University Press, October 2007. ISBN-13: 978-0-6911-2956-3.

Bourbaki, a Secret Society of Mathematicians, by Maurice Mashaal. AMS, June 2006. ISBN 0-8218-3967-5. (Reviewed October 2007.)

The Calculus Wars: Newton, Leibniz, and the Greatest Mathematical Clash of All Time, by Jason Socrates Bardi. Thunder's Mouth Press, April 2007. ISBN-13: 978-1-5602-5992-3.

A Certain Ambiguity: A Mathematical Novel, by Gaurav Suri and Hartosh Singh Bal. Princeton University Press, June 2007. ISBN-13: 978-0-6911-2709-5. (Reviewed February 2008.)

Descartes: A Biography, by Desmond Clarke. Cambridge University Press, March 2006. ISBN 0-521-82301-3. (Reviewed January 2008.)

Discovering Patterns in Mathematics and Poetry, by Marcia Birken and Anne C. Coon. Rodopi, February 2008. ISBN-13: 978-9-0420-2370-3.

Does Measurement Measure Up?: How Numbers Reveal and Conceal the Truth, by John Henshaw. Johns Hopkins University Press, March 2006. ISBN-13: 978-0-8018-8375-0.

Ernst Zermelo: An Approach to His Life and Work, by Heinz-Dieter Ebbinghaus. Springer, April 2007. ISBN-13: 978-3-540-49551-2.

**Euclidean and Non-Euclidean Geometries: Development and History*, fourth revised and expanded edition, by Marvin Jay Greenberg. W. H. Freeman, September 2007. ISBN-13: 978-0-7167-9948-1.

Flatland—The Movie: A Journey of Many Dimensions. Flatworld Productions, 2007. Special Educator Edition DVD, <http://store.flatlandthemovie.com>. (Reviewed November 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: 978-0-6911-2822-1. (Reviewed April 2008.)

The Great π/e Debate: Which Is the Better Number?, DVD by Colin Adams and Thomas Garrity. Mathematical Association of America, 2007. ISBN 0-88385-900-9.

Group Theory in the Bedroom, and Other Mathematical Diversions, by Brian Hayes. Hill and Wang, April 2008. ISBN-13: 978-0-8090-5219-6.

**Guesstimation: Solving the World's Problems on the Back of a Cocktail Napkin*, by Lawrence Weinstein and John A. Adam. Princeton University Press, April 2008. ISBN-13: 978-0-6911-2949-5.

A History of Abstract Algebra, by Israel Kleiner. Birkhäuser, October 2007. ISBN-13: 978-0-8176-4684-4.

How Mathematicians Think: Using Ambiguity, Contradiction, and Paradox to Create Mathematics, by William Byers. Princeton University Press, May 2007. ISBN-13: 978-0-6911-2738-5. (Reviewed December 2007.)

How Round Is Your Circle, by John Bryant and Chris Sangwin. Princeton University Press, January 2008. ISBN-13: 978-0-6911-3118-4.

**Impossible?: Surprising Solutions to Counterintuitive Conundrums*, by Julian Havil. Princeton University Press, April 2008. ISBN-13: 978-0-6911-3131-3.

The Indian Clerk, by David Leavitt. Bloomsbury USA, September 2007. ISBN-13: 978-1-5969-1040-9.

An Introduction to Gödel's Theorems, by Peter Smith. Cambridge University Press, August 2007. ISBN-13: 978-0-521-67453-9.

Irreligion: A Mathematician Explains Why the Arguments for God Just Don't Add Up, by John Allen Paulos. Hill and Wang, December 2007. ISBN-13: 978-08090-5919-5. (Reviewed in this issue.)

Karl Pearson: The Scientific Life in a Statistical Age, by Theodore M. Porter. Princeton University Press, (new edition) December 2005. ISBN-

13: 978-0-6911-2635-7. (Reviewed December 2007.)

The Legacy of Mario Pieri in Geometry and Arithmetic, by Elena Anne Marchisotto and James T. Smith. Birkhäuser, May 2007. ISBN-13: 978-0-8176-3210-6.

Leonhard Euler, a Man to Be Reckoned With, by Andreas K. Heyne and Alice K. Heyne. Birkhäuser, 2007. ISBN-13: 978-3-7643-8332-9. (Reviewed March 2008.)

Making Mathematics Work with Needlework: Ten Papers and Ten Projects, edited by Sarah-Marie Belcastro and Carolyn Yackel. A K Peters, September 2007. ISBN-13: 978-1-5688-1331-8.

The Math behind the Music, by Leon Harkleroad. Cambridge University Press, August 2006. ISBN-13: 978-0-521-00935-5.

Math Doesn't Suck: How to Survive Middle-School Math without Losing Your Mind or Breaking a Nail, by Danica McKellar. Hudson Street Press, August 2007. ISBN-13: 978-1-5946-3039-2.

Mathematical Mind-Benders, by Peter Winkler. A K Peters, August 2007. ISBN-13: 978-1-5688-1336-3.

The Mathematician's Brain, by David Ruelle. Princeton University Press, July 2007. ISBN-13: 978-0-6911-2982-2.

Mathematics at Berkeley: A History, by Calvin C. Moore. A K Peters, February 2007. ISBN-13: 978-1-5688-1302-8.

Measuring the World, by Daniel Kehlmann. Pantheon, November 2006. ISBN 0-375-42446-6. (Reviewed June/July 2008.)

The Millennium Prize Problems, edited by James Carlson, Arthur Jaffe, and Andrew Wiles. AMS, June 2006. ISBN-13: 978-0-8218-3679-8.

The Mind of the Mathematician, by Michael Fitzgerald and Ioan James. Johns Hopkins University Press, May 2007. ISBN-13: 978-0-8018-8587-7.

More Mathematical Astronomy Morsels, by Jean Meus. Willmann-Bell, 2002. ISBN 0-943396743.

More Sex Is Safer Sex: The Unconventional Wisdom of Economics, by Steven E. Landsburg. Free Press, April 2007. ISBN-13: 978-1-416-53221-7. (Reviewed June/July 2008.)

Mr. Hopkins' Men: Cambridge Reform and British Mathematics in the

19th Century, by Alex D. D. Craik. Springer, February 2007. ISBN-13: 978-1-8480-0132-9.

Music and Probability, by David Temperley. MIT Press, January 2007. ISBN-13: 978-0-2622-0166-7.

Music: A Mathematical Offering, by David J. Benson. Cambridge University Press, December 2006. ISBN-13: 978-0-521-61999-8.

New Theories of Everything, by John D. Barrow. Oxford University Press, July 2007. ISBN-13: 978-0-192-80721-2.

Number Story: From Counting to Cryptography, by Peter M. Higgins. Springer, February 2008. ISBN-13: 978-1-8480-0000-1

The Numbers behind NUMB3RS: Solving Crime with Mathematics, by Keith Devlin and Gary Lorden. Plume, August 2007. ISBN-13: 978-0-4522-8857-7.

Perfect Figures: The Lore of Numbers and How We Learned to Count, by Bunny Crumpacker. Thomas Dunne Books, August 2007. ISBN-13: 978-0-3123-6005-4.

The Poincaré Conjecture: In Search of the Shape of the Universe, by Donal O'Shea. Walker, March 2007. ISBN-13: 978-0-8027-1532-6. (Reviewed January 2008.)

Poincaré's Prize: The Hundred-Year Quest to Solve One of Math's Greatest Puzzles, by George Szpiro. Dutton Adult, June 2007. ISBN-13: 978-0-525-95024-0. (Reviewed January 2008.)

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