

Notices

of the American Mathematical Society

October 2014

Volume 61, Number 9

Does Diversity Trump Ability?
page 1024

A Trip from Classical to
Abstract Fourier Analysis
page 1032

A Critique of Hirsch's Citation
Index: A Combinatorial Fermi
Problem
page 1040

Mathematics in Latin America
and the Caribbean: So Much
Happening, So Much to Do
page 1052

San Antonio Meeting
page 1130

Notices

of the American Mathematical Society

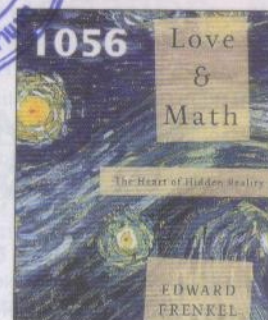
October 2014

Communications

- 1062** Population Stability and Momentum
Arni S. R. Srinivasa Rao
- 1074** 2014 Fields Medals
- 1082** WHAT IS...a Perfectoid Space?
Bhargav Bhatt
- 1085** *Scripta Manent*: The Digital Mathematics Library as of 2014
Thierry Bouche

Commentary

- 1056** Love and Math: The Hidden Heart of Reality—A Book Review
Reviewed by Anthony W. Knapp
- 1068** Doing Data Science—A Book Review
Reviewed by Brian Hayes



Our October issue offers many pleasures. We have an article arguing the differences between diversity and ability. We have a consideration of mathematics in Latin America. We offer a trip from classical to abstract Fourier analysis. We look at a critique of Hirsch's citation index. And we finish with a study of population stability. Happy reading.

—Steven G. Krantz, Editor

Features

- 1024** Does Diversity Trump Ability? An Example of the Misuse of Mathematics in the Social Sciences
Abigail Thompson
- 1032** A Trip from Classical to Abstract Fourier Analysis
Kenneth A. Ross
- 1040** A Critique of Hirsch's Citation Index: A Combinatorial Fermi Problem
Alexander Yong
- 1052** Mathematics in Latin America and the Caribbean: So Much Happening, So Much to Do
Luis Cáceres, José Antonio de la Peña, Angel R. Pineda, Carlos Di Prisco, and Andrea Solotar

Notices

of the American Mathematical Society

EDITOR: Steven G. Krantz

ASSOCIATE EDITORS:

Krishnaswami Alladi, David Bailey, Eric Bedford, Jonathan Borwein, Susanne C. Brenner, Danny Calegari, Bill Casselman (Graphics Editor), Jennifer Chayes, Gerald Folland, Susan Friedlander, Robion Kirby, Rafe Mazzeo, Harold Parks, Mark Saul, Carla D. Savage, Steven Strogatz, James Walker

SENIOR WRITER and DEPUTY EDITOR:

Allyn Jackson

MANAGING EDITOR: Sandra Frost

CONTRIBUTING WRITER: Elaine Kehoe

CONTRIBUTING EDITOR: Randi D. Ruden

EDITORIAL ASSISTANT: David M. Collins

PRODUCTION: Kyle Antonevich, Anna Hattoy, Teresa Levy, Mary Medeiros, Stephen Moye, Lori Nero, Arlene O'Sean, Karen Ouellette, Courtney Rose, Rachel Rossi, Donna Salter, Deborah Smith, Peter Sykes

ADVERTISING SALES: Anne Newcomb

SUBSCRIPTION INFORMATION: Subscription prices for Volume 61 (2014) are US\$569 list; US\$455.20 institutional member; US\$341.40 individual member; US\$512.10 corporate member. (The subscription price for members is included in the annual dues.) A late charge of 10% of the subscription price will be imposed upon orders received from nonmembers after January 1 of the subscription year. Add for postage: Surface delivery outside the United States and India—US\$27; in India—US\$40; expedited delivery to destinations in North America—US\$35; elsewhere—US\$120. Subscriptions and orders for AMS publications should be addressed to the American Mathematical Society, P.O. Box 845904, Boston, MA 02284-5904 USA. All orders must be prepaid.

ADVERTISING: *Notices* publishes situations wanted and classified advertising, and display advertising for publishers and academic or scientific organizations. Advertising material or questions may be sent to classifieds@ams.org (classified ads) or notices-ads@ams.org (display ads).

SUBMISSIONS: Articles and letters may be sent to the editor by email at notices@math.wustl.edu, by fax at 314-935-6839, or by postal mail at Department of Mathematics, Washington University in St. Louis, Campus Box 1146, One Brookings Drive, St. Louis, MO 63130. Email is preferred. Correspondence with the managing editor may be sent to notices@ams.org. For more information, see the section "Reference and Book List".

NOTICES ON THE AMS WEBSITE: Supported by the AMS membership, most of this publication is freely available electronically through the AMS website, the Society's resource for delivering electronic products and services. Use the URL <http://www.ams.org/notices/> to access the *Notices* on the website.

[*Notices of the American Mathematical Society* (ISSN 0002-9920) is published monthly except bimonthly in June/July by the American Mathematical Society at 201 Charles Street, Providence, RI 02904-2294 USA, GST No. 12189 2046 RT****. Periodicals postage paid at Providence, RI, and additional mailing offices. POSTMASTER: Send address change notices to *Notices of the American Mathematical Society*, P.O. Box 6248, Providence, RI 02940-6248 USA.] Publication here of the Society's street address and the other information in brackets above is a technical requirement of the U.S. Postal Service. Tel: 401-455-4000, email: notices@ams.org.

© Copyright 2014 by the American Mathematical Society.

All rights reserved.

Printed in the United States of America. The paper used in this journal is acid-free and falls within the guidelines established to ensure permanence and durability.

Departments

About the Cover	1114
Mathematics People	1089
<i>Castro Receives the Royal Spanish Mathematical Annual Prize, 2014 Simons Investigators Named, Prizes of the London Mathematical Society, Ford Foundation Fellowships Awarded, NSF Postdoctoral Fellowships Awarded.</i>	
Mathematics Opportunities	1092
<i>AMS-AAAS Mass Media Summer Fellowships, Call for Proposals for the 2016 AMS Short Courses, NSF Conferences and Workshops in the Mathematical Sciences, NSF Project ADVANCE, News from MSRI.</i>	
Inside the AMS/ For Your Information	1094
<i>From the AMS Public Awareness Office, New International Women in Mathematics Website.</i>	
Mathematics Calendar	1105
New Publications Offered by the AMS	1108
Classified Advertisements	1115
Mathematical Sciences Employment Center in San Antonio, TX	1121
AMS Short Course in San Antonio, TX	1123
Meetings and Conferences of the AMS	1126
San Antonio Meeting Timetable	1164
Meetings and Conferences Table of Contents	1174
San Antonio Meeting Registration Forms	1175

From the AMS Secretary

Report of the Treasurer (2013)

1096

Statistics on Women Mathematicians Compiled
by the AMS

1104

Opinions expressed in signed *Notices* articles are those of the authors and do not necessarily reflect opinions of the editors or policies of the American Mathematical Society.