

---

# American Mathematical Society—Contributions

Dear Friends and Colleagues,

During 2008 your generous contributions helped the Society and our profession in many ways. I thank each of you for your support.

In 2008, the Epsilon Fund, the endowment whose income supports the Young Scholars program, reached the initial funding goal of US\$2 million. A very generous anonymous gift helped achieve that goal, together with numerous contributions indicated in the following pages. We continue to place a high priority on supporting the programs that bring mathematically talented high school students together and introduce them to mathematical research.

The Centennial Fellowships play a key role in supporting outstanding young mathematicians, from three to twelve years beyond the doctorate. These fellowships are funded by contributions from mathematicians throughout the world.

Your contributions to the General Fund support many aspects of the Society's mission, including programs for mathematicians in the developing world, public awareness, advocacy for the profession, and support of mathematicians just beginning their careers in research.

Your generosity allows the Society to carry out all these programs and demonstrates that mathematicians care deeply about our profession. Thank you.

*Donald E. McClure*  
*Executive Director*

## Thomas S. Fiske Society

The Executive Committee and Board of Trustees have established the Thomas S. Fiske Society to honor those who have made provisions for the AMS in their estate plans. For further information contact the Development Office at 800-321-4AMS, or [development@ams.org](mailto:development@ams.org).

Pedro B. Barquero-Salavert  
Kathleen Baxter  
Shirley and Gerald Bergum  
Shirley Cashwell  
Carl Faith

Ky Fan  
Isidore Fleischer  
Ramesh A. Gangolli  
Rosalind J. Guaraldo  
Yanguang Charles Li

Joseph S. Mamelak  
Trevor J. McMinn  
Cathleen S. Morawetz  
Franklin P. Peterson  
Moshe Rosenfeld

Theda Salkind  
Margaret W. Taft  
B. A. Taylor  
Steven H. Weintraub  
Sally Whiteman

### **Bequests Received**

Sidney Glusman

## Gifts in Memory and Gifts in Honor

The American Mathematical Society welcomes gifts made in memory or honor of members of the mathematical community or others. Unless directed toward a special fund or program, such gifts are used to support the general mission of the Society.

### Gifts were made in memory of the following individuals:

R. D. Anderson *by James E. Keisler*  
 Matthew Hollander *by Stephen Cheney*  
 Raymond F. Kramer Jr. *by Margaret K. Butler*  
 Raymond F. Kramer Jr. *by Paul Cheever*  
 Raymond F. Kramer Jr. *by Eileen Fiore*  
 Raymond F. Kramer Jr. *by Horace Flatt*  
 Raymond F. Kramer Jr. *by Jim, Jody, & Rachael Flatt*  
 Raymond F. Kramer Jr. *by John H. Frisch*  
 Raymond F. Kramer Jr. *by Lorayne Goodspeed*  
 Raymond F. Kramer Jr. *by Marceline D. Gordon*  
 Raymond F. Kramer Jr. *by Marilyn Grotenhuis*  
 Raymond F. Kramer Jr. *by Ramona Herrmann*  
 Raymond F. Kramer Jr. *by Charles & Marilyn Johnson*  
 Raymond F. Kramer Jr. *by Michael Kerho*  
 Raymond F. Kramer Jr. *by The Kramer Family*  
 Raymond F. Kramer Jr. *by Barbara A. McCreary*  
 Raymond F. Kramer Jr. *by Mike Pitts*  
 Raymond F. Kramer Jr. *by Peter R. Schultz*  
 Raymond F. Kramer Jr. *by James Strong*  
 Raymond F. Kramer Jr. *by Ray & Jeanne Trebbien*  
 Raymond F. Kramer Jr. *by Francis & Diana P. Vargofcak*  
 Raymond F. Kramer Jr. *by Natalie Whisler*  
 Raymond F. Kramer Jr. *by Alan R. Zeleznikar*  
 Raymond F. Kramer Jr. *by Paul Zeleznikar*  
 Raymond F. Kramer Jr. *by Richard & Nancy Zeleznikar*  
 Raymond F. Kramer Jr. *by Anonymous (6)*  
 Vincent O. McBrien *by Joseph W. Paciorek*  
 Ronald G. Mosier *by Edward F. Aboufadel*

Ronald G. Mosier *by Robert L. Baird*  
 Ronald G. Mosier *by Robert A. Brauburger*  
 Ronald G. Mosier *by D. Robert Coulson*  
 Ronald G. Mosier *by Debra Dubow*  
 Ronald G. Mosier *by Ruth G. Favro*  
 Ronald G. Mosier *by James Lancaster*  
 Ronald G. Mosier *by Jane E. Lenart*  
 Ronald G. Mosier *by Stephen J. Milles*  
 Ronald G. Mosier *by Sanford & Theda Perlman*  
 Ronald G. Mosier *by Ridgmaar Square Condo Assoc.*  
 Ronald G. Mosier *by Jane & Bob Rousseau*  
 Ronald G. Mosier *by Janet A. Scullian*  
 Ronald G. Mosier *by Bette L. Warren*  
 Ronald G. Mosier *by Kathryn Westman*  
 Eugene A. Pflumm *by Mollie N. Pflumm*  
 Irving Reiner *by Irma M. Reiner*  
 David P. Robbins *by Sheila Johnson Robbins*  
 Peter Szusz *by Valerie Massimo*  
 Peter Szusz *by Andrew M. Rockett*  
 Masaru Takeuchi *by Kazuko Takeuchi*

### Gifts were made in honor of the following individuals:

Sandi Jackson *by Michael Aufrechtig*  
 David C. Kelly & Sarah-Marie Belcastro *by Susan Schwartz Wildstrom*  
 John H. Ewing *by Ellen Heiser*  
 John H. Ewing *by Jean E. Taylor*  
 Joel & Mary Ann Spencer *by Fred Stephen Roberts*

## Contributors to the AMS During 2008

\* Donors who have given for three years consecutively.

ε Donors who have given to the AMS Epsilon Fund, the endowment for the support of young scholars programs.

The names of donors who have given \$1,000 or more in a single year are affixed to a plaque that is prominently displayed in the Society's headquarters.

### PRESIDENT'S ASSOCIATES

(Gifts of \$5,000 and above)

ε Adrian David Banner  
 ε\*William Craig  
 Estate of Barbara J. Beechler  
 Estate of Sidney Glusman  
 ε\*Harry Lucas Jr.  
 ε Jacques Neveu  
 ε Andrew M. Rockett  
 \* Robert & Maria W. Steinberg  
 Anonymous (1)

### ASSOCIATES

(Gifts of \$1,000 and above)

ε\*Nathaniel Chafee  
 ε\*Pierre E. Conner Jr.  
 ε\*John B. Conway  
 William L. Duren Jr.  
 ε\*John H. Ewing  
 \* Carl E. Harrell

\* John M. Hosack  
 \* Phyllis & Donald Kahn Philanthropic Fund  
 \* Peter D. Lax  
 ε\*George F. Leger  
 ε\*Samuel Murray Rankin III  
 \* Norton Starr  
 ε Kazuko Takeuchi  
 ε Alexander H. Weintraub  
 ε\*Susan Schwartz Wildstrom  
 ε Rena J. Zieve & Greg Kuperberg  
 Anonymous (4)

### SPONSORS

(Gifts of \$500 and above)

ε\*Richard A. Askey  
 ε\*Joan S. Birman  
 \* Karl E. Byleen  
 ε\*Antony Chang  
 ε\*Loyal Durand  
 Stephen P. Gill  
 \* Andrew M. Gleason

ε\*Ronald L. & Fan Chung Graham  
 ε\*Elizabeth Grossman & Joshua Boorstein  
 ε Roland R. Kneec Jr.  
 ε\*Robert V. Kohn  
 ε\*Gary J. Kurowski  
 ε\*William James Lewis  
 \* James W. Maxwell  
 ε\*Ernest A. Michael  
 Yasuhiro Morita  
 Sheila Johnson Robbins  
 ε\*Richard M. Schoen  
 ε\*Abdulalim A. Shabazz  
 ε\*Joel H. Spencer  
 ε\*Glenn H. Stevens  
 ε\*Steven H. Weintraub  
 \* Jay A. Wood  
 Anonymous (2)

### PATRONS

(Gifts of \$100 and above)

ε William Abikoff

ε\*Clarence M. Ablow  
 ε Robert D. M. Accola  
 ε\*William W. Adams  
 ε\*Irving Adler  
 \* Roy L. Adler  
 ε\*M. Kursheed Ali  
 \* John S. Alin  
 ε\*Fredric Davis Ancel  
 ε\*George E. Andrews  
 ε\*Kenneth I. Appel  
 ε\*Richard F. Arenstorf  
 Manfred K. Armbrust  
 ε Pau Atela  
 Raymond G. & Christine W. Ayoub  
 Robert M. Baer  
 ε Paul M. Bailyn  
 \* Theodore J. Barth  
 ε\*Hyman Bass  
 ε\*Paul T. & Felice D. Bateman  
 \* Frances B. Bauer  
 ε Edward Beckenstein  
 ε\*Steven R. Bell  
 ε\*Gerald E. Bergum

ε\*Leonard D. Berkovitz  
 ε\*Manuel P. Berriozabal  
 ε George Berzsenyi  
 ε\*Richard L. Bishop  
 ε\*Peter B. Bjorklund  
 ε\*Aldridge K. Bousfield  
 \* Delmar L. Boyer  
 Henrik Bresinsky  
 ε\*David M. Bressoud  
 ε W. Dale Brownawell  
 \* Robert L. Bryant  
 ε\*Stephen S. Bullock  
 ε\*Adam Buraczewski  
 ε\*James E. Burke  
 ε\*Donald L. Burkholder  
 ε Margaret K. Butler  
 L. Andrew Campbell  
 James A. Carlson  
 ε Andy Carter & Diane L. Herrmann  
 ε Richard A. Champion Jr.  
 ε Chao-Ping Chang  
 ε Lena Chang  
 ε\*Concordia C. Chen

- e\*Richard C. Churchill  
 e\*Stuart Citrin  
 e\*Donald L. Cohn  
 e\*Paul Dana Cole  
 e\*Peter S. Constantin  
 e\*Louis J. Cote  
 e Lenore J. Cowen & William Bogstad  
 \* Walter Craig & Deirdre Haskell  
 e\*Stephen H. Crandall  
 e Henry Crapo  
 e\*Albert W. Currier  
 e Charles W. Curtis  
 e\*Everett C. Dade  
 e John P. Dalbec  
 e\*Robert J. Daverman  
 e\*Stephen M. DeBacker  
 \* Ronald W. DeGray  
 e Morris Jack DeLeon  
 e\*Guy M. De Primo  
 e\*Robert L. Devaney  
 e Debra Dubow  
 e\*Peter L. Duren  
 e David Albert Edwards  
 \* Elmer Eisner  
 e Mats Engwall  
 e\*Amassa C. Fauntleroy  
 e\*Solomon Feferman  
 e Barry Fell  
 e\*John C. Fenley  
 e Aurino Ribeiro Filho  
 e Horace Flatt  
 e Jim, Jody & Rachael Flatt  
 e\*Gerald B. Folland  
 \* Paul Fong  
 e Jurg M. Frohlich  
 e\*Joseph M. Gani  
 e Frederick W. Gehring  
 e Jane P. Gilman  
 e\*Milton Alfred Glass  
 \* James G. Glimm  
 e\*Richard P. Goblirsch  
 e Jack E. Graver  
 \* Wilfred Martin Greenlee  
 e Richard K. Greicar  
 e\*Phillip A. Griffith  
 e Edward H. Grossman  
 e Craig R. Guilbault  
 e\*Seymour Haber  
 e\*Richard M. Hain  
 e Douglas F. Hale  
 e\*Brian C. Hall  
 \* James F. Hannan  
 e\*David Harbater  
 e\*Bill Hassinger Jr.  
 e\*Adam O'Neill Hausknecht  
 e William R. Hearst III  
 e Ellen Heiser  
 \* Henry Helson  
 e\*Gerald A. Heuer  
 e\*Gloria C. Hewitt  
 e Stephen R. Hilbert  
 e\*Samuel S. Holland Jr.  
 e Roger H. Homer  
 e\*Tiao-Tiao Hsu  
 e James G. Huard  
 e George A. Hufford  
 e Joseph A. Hughes  
 e\*George W. Hukle  
 e\*Craig L. Huneker  
 e\*Thomas W. Hungerford  
 \* Franklin T. Iha  
 e Yulij Sergeevich Ilyashenko  
 e Yoichi Imayoshi  
 e\*Godfrey L. Isaacs  
 e\*I. Martin Isaacs  
 e\*William H. Jaco  
 e Arthur M. Jaffe  
 e Gary James Jason  
 e George A. Jennings  
 e Robert R. Jensen  
 e\*Eugene C. Johnsen  
 \* David Lee Johnson  
 e\*Kenneth David Johnson  
 e\*Henry Price Kagey  
 e Joji Kajiwara  
 e\*Diana Kalish  
 e\*Herbert M. Kamowitz  
 e\*Julian R. Karelitz  
 e\*John F. Kellaher  
 \* Wayne G. Kellner  
 e\*Harry & Doraline Kesten  
 e\*Allan M. Kirch  
 e Joseph P. Kirley  
 e Jane E. & James Kister  
 e\*Maria Margaret Klawe  
 e\*Julia Knight  
 e\*George H. Knightly  
 e János Kollár  
 e\*Antoni A. Kosinski  
 \* Eric J. Kostelich  
 e The Kramer Family  
 e\*Ralph M. Krause  
 e Joseph B. Kruskal  
 e\*Masatake Kuranishi  
 e S. T. Kuroda  
 \* Jeanne LaDuke  
 e Jean-Pierre Leonard  
 e Laffineur  
 e James Lancaster  
 e Joseph A. Langsam  
 e\*William G. Leavitt  
 e Marc A. LeBrun  
 e\*Joan R. Leitzel  
 e Manoel Jose M. S. Lemos  
 e\*H. W. Lenstra  
 e\*D. J. Lewis  
 e\*H. L. Lewis  
 e Robert J. Lipshutz  
 e\*George W. Lofquist  
 e\*Jonathan D. Lubin  
 \* Albert T. Lundell  
 e\*Russell D. Lyons  
 e\*Adolf G. Mader  
 e\*Joseph S. Mamelak  
 e\*Stefano Marchiafava  
 e Greg Marks  
 e\*Thomas J. Marlowe Jr.  
 \* Jacob R. Matijevic  
 e\*Stephen B. Maurer  
 e Rafe Mazzeo  
 e Barbara A. McCreary  
 e\*T. G. McLaughlin  
 e\*Brockway McMillan  
 e Bruce Mericle  
 e Jean-Pierre G. Meyer  
 e John J. Michels  
 e Martin James Mohlenkamp  
 e\*Frank Morgan  
 e\*Robert A. Morris  
 e\*Albert A. Mullin  
 e\*Peter E. Ney  
 \* Paul J. Nikolai  
 e\*Takashi Ono  
 \* Robert Osserman  
 e\*Scott C. Otermat  
 e\*Joseph W. Paciorek  
 e\*Helen L. Paisner  
 e\*Diethard Ernst Pallaschke  
 \* Henry J. Passerini  
 e\*Alexander Perlin  
 e Sanford & Theda Perlman  
 e\*Mollie Pflumm  
 \* Aleksey Popelyukhin  
 e Gopal Prasad  
 \* James V. Ralston  
 e George N. Raney  
 e\*M. M. Rao  
 e\*Don Redmond  
 e\*Robert J. Reynolds  
 e Bruce Reznick  
 e\*Tong-Shiang Rhai  
 e John F. Richards  
 e Norman J. Richert  
 e Ridgmaar Square Condo Assoc.  
 e\*Marc A. Rieffel  
 e James B. Robertson  
 e\*Vijay K. Rohatgi  
 \* Robert A. Rosenbaum  
 e\*Sharon Cutler Ross  
 \* Richard L. Roth  
 e Herman Rubin  
 e Bernard D. Rudin  
 e\*David Ryeburn  
 e\*Jeffrey R. Sachs  
 \* Kazuyuki Saitô  
 e\*Habib Salehi  
 e\*Donald E. Sarason  
 e\*Paul T. Schaefer  
 \* Samuel Schechter  
 e\*Jerry D. Schuur  
 e Jacob T. Schwartz  
 e Janet A. Scullian  
 e\*George Seifert  
 \* Stuart A. Seligson  
 e\*Norman E. Sexauer  
 e\*Freydoon Shahidi  
 e\*Goro Shimura  
 e\*Allan J. Silberger  
 e Christopher Skinner  
 \* John R. Smart  
 e Keith Paul Smith  
 e\*Wilbur L. Smith  
 \* Joel A. Smoller  
 e\*Louis Solomon  
 e\*Stephen E. Spielberg  
 e\*Olaf P. Stackelberg  
 e\*Ivar Stakgold  
 \* Orestes N. Stavroudis  
 e\*Ronald J. & Sharon M. Stern  
 e G. Ralph Strohl Jr.  
 e James Strong  
 e\*Richard W. Sullivan  
 e\*Margaret W. Taft-Matching  
 e gift from Oracle Corp.  
 e\*Jean E. Taylor  
 e\*Keith A. Taylor  
 e\*Laurence R. Taylor  
 e\*Edward C. Thoele  
 e\*Eugene Toll  
 e\*Charles R. Traina  
 e Joann Stephanie Turisco  
 e\*Jean E. de Valpine  
 e\*Wolmer V. Vasconcelos  
 e\*Evelyn K. Wantland  
 e\*Buck Ware  
 \* Frank W. Warner III  
 e\*Bette L. Warren  
 e\*William Edwun Warren  
 e Glenn F. Webb  
 e Kathryn Westman  
 e\*Brian Cabell White  
 e Clinton Curtis Williams  
 e\*Susan Gayle Williams  
 e Richard E. Williamson  
 e\*James J. Woepfel  
 e\*Christopher J. Wolfe  
 e\*Scott A. Wolpert  
 e\*Alan C. Woods  
 e Bostwick F. Wyman  
 e\*Tatsuhiko Yagasaki  
 e\*Masayuki Yamasaki  
 e Paul C. Yang  
 e\*Michael Yanowitch  
 e Ann Yasuhara  
 e Michel M. Zarka  
 e Alan R. Zeleznikar  
 Anonymous (51)  
 e\*William P. Abrams  
 e Colin C. Adams  
 e\*Iain T. A. C. Adamson  
 e\*Alan C. Adolphson  
 e N. U. Ahmed  
 e T. M. G. Ahsanullah  
 e\*Tadashi Aikou  
 e\*Michael I. Aissen  
 e Michael Aizenman  
 e\*Ethan J. Akin  
 e Stanley A. Alama  
 e Peter Albers  
 e\*Michael O. Albertson  
 e Alain V. Albugues  
 e Dan Alexander  
 \* Kenneth S. Alexander  
 e\*Gerald L. Alexanderson  
 e Krishnaswami Alladi  
 e\*Anne H. Allen  
 e David T. Allen  
 e William O. Alltop  
 e\*Vrege Jolfai Amirkhanian  
 e Douglas R. Anderson  
 e\*Joel H. Anderson  
 e\*Michael T. Anderson  
 e Susan Andima  
 e\*Peter P. Andre  
 e H. Robert Andrews  
 e Philip M. Anselone  
 e\*Peter H. Anspach  
 \* Stuart S. Antman  
 e\*Mya M. Archer  
 e Martin Argerami  
 e Alfredo Arroyo  
 e Patrick Artaud  
 \* Esperanza Blancaflor  
 e Aruguay  
 e Michael Aufrechtig  
 e Catherine C. Aust  
 e Roger A. Avelsgaard  
 e Joel Avrin  
 e Sheldon Axler  
 e Sebastian Baader  
 e Kiyoshi Baba  
 e Allen H. Back  
 e\*Richard J. Bagby  
 e Armen Bagdasaryan  
 e Robert L. Baird  
 e\*Edward D. Baker  
 e Joni E. Baker  
 e\*Kirby A. Baker  
 e Robert S. Baker  
 e\*John T. Baldwin  
 e\*William R. Ballard  
 e William David Banks  
 e\*Carlo Bardaro  
 e\*Julio Edgardo Barety  
 e Bruce H. Barnes  
 e Domingo Barrera-Rosillo  
 \* Jose Barros-Neto  
 e Leo Barsotti  
 e\*Karl F. Barth  
 e Paolo de Bartolomeis  
 e\*Alexander Barvinok  
 e Jürgen O. Batt  
 e Patricia E. Bauman  
 e Thomas Bayer  
 e J. Thomas Beale  
 e\*R. Michael Beals  
 e\*Robert E. Beaudoin  
 e\*Homer F. Bechtell  
 e David S. Becker  
 \* William H. Beckmann  
 e Eric D. Bedford  
 \* John A. Beekman  
 e Horst Behncke  
 e Igor Belegardek  
 e\*Wolfgang Bell IV  
 e Richard G. Belshoff  
 e\*Katalin A. Bencsáth  
 e\*Carlos Benítez  
 e\*Georgia Benkart  
 e Paul M. Bennett  
 e Alan E. Berger  
 e\*Steven B. Berger  
 e\*George M. Bergman  
 e Christopher Bernhardt  
 e\*Joseph Bernstein  
 e\*David S. Berry  
 e James S. Bethel  
 e Gerhard Betsch  
 e Edward James Bevan  
 e William A. Beyer  
 e\*Nicholas J. Bezak  
 e Gautam Bharali  
 e\*Meempat Bhaskaran  
 e Marilyn S. Bickel  
 e Mark Bickford  
 \* Klaus D. Bierstedt  
 e Louis J. Billera  
 e Katalin Bimbó  
 e Jerome Blackman  
 e\*Denis L. Blackmore  
 \* David E. Blair  
 e\*John D. Blanton  
 \* Don Blasius  
 e Kbenesh W. Blayneh  
 e\*David S. Bloom  
 e Lenore Carol Blum  
 e\*John M. Boardman  
 e\*S. Elwood Bohn  
 e\*Francis Bonahon  
 e Joseph E. Bonin  
 e\*William M. Boothby  
 e\*Rupert D. Boswell Jr.  
 e Andrei Bourchtein  
 e Michel Bousquet  
 e\*Ward D. Bouwsma  
 e\*Mike Boyle  
 e Brian D. Bradie  
 e\*John S. Bradley  
 e\*Richard C. Bradley  
 e Steven B. Bradlow  
 \* Louis R. Bragg  
 e James H. Bramble  
 e\*Alberto Branciari  
 e Robert A. Brauburger  
 e\*Fred Brauer  
 e\*George U. Brauer  
 e\*Henry G. Bray  
 \* John C. Breckenridge  
 e\*Richard P. Brent  
 e Joseph Edward Brierley  
 \* Robert C. Brigham  
 \* Judith E. Broadwin  
 e\*Jerald S. Brodkey  
 e S. Allen Broughton  
 e Edgar H. Brown Jr.  
 e Gordon E. Brown  
 \* Kenneth S. Brown  
 e Lawrence G. Brown  
 e\*Robert F. Brown  
 e Andrew M. Bruckner  
 e Paulo Brumatti  
 e Barry W. Brunson  
 e Claude P. Bruter  
 e Giacomo Bruzzo  
 e\*Billy F. Bryant  
 e\*Joseph T. Buckley  
 \* Daniel Willis Bump  
 e\*Almut Burchard  
 \* Krzysztof Burdzy  
 e Anne M. Burns  
 e\*Stefan A. Burr  
 e\*Ralph Stevens Butcher  
 e\*Thomas R. Butts  
 e\*Robert Lawrence Byrom  
 e Luciano Caccianotti  
 e Rotraut C. Cahill  
 e\*Robert Calderbank  
 e William C. Calhoun  
 e James L. Calvert  
 e Eric Canel  
 e James C. Cantrell  
 e\*Corrado Cardarelli  
 e\*Jon F. Carlson

## FRIENDS

(Gifts of less than \$100)

- e\*Johan F. Aarnes  
 e Juan Jose Abad  
 e Ian M. Aberbach  
 e Edward F. Aboufadel  
 e\*Thundiyl Samuel Abraham

- Francis W. Carroll  
 ε\*David W. Carter  
 ε C. Carton-Lebrun  
 ε\*James R. Case  
 ε Erio A. Castagnoli  
 ε\*Thomas E. Cecil  
 ε\*Gulbank D. Chakerian  
 Mary Chan  
 Bruce Chandler  
 \* Ronald J. Chase  
 ε Pak Soong Chee  
 ε Paul Cheever  
 \* Kwan-Wei Chen  
 ε Stephen Cheny  
 ε Patrick Cheridito  
 ε Nikolai I. Chernov  
 ε William A. Cherry  
 ε\*Robert Chew  
 ε\*Theodore S. Chihara  
 ε Sunday C. Chikwendu  
 Choong Yun Cho  
 ε\*Jal R. Choksi  
 ε\*Charles C. Chouteau  
 Yuan S. Chow  
 ε\*Demetrios Christodoulou  
 \* Philip T. Church  
 ε\*Alfred Clark Jr.  
 ε\*Chester Dodge Clark  
 \* Jack D. Clayton  
 ε William A. Clee  
 ε\*Ed Cline  
 ε\*Alan Cobham  
 ε James A. Cochran  
 ε\*John C. Cock  
 ε\*John Coffey  
 ε\*James Wesley Cogdell  
 ε\*Amy Cohen  
 \* Daniel I. A. Cohen  
 ε Frederick R. Cohen  
 ε Gerard D. Cohen  
 ε Michael P. Cohen  
 ε\*George Cole  
 Nancy Cole Bluford  
 ε\*Donald B. Coleman  
 ε Daniel Comenetz  
 ε\*Frank F. Connor  
 ε Bruce P. Conrad  
 \* Thomas A. Cootz  
 ε\*Arthur H. Copeland Jr.  
 \* Heinz O. Cordes  
 \* Constantin Corduneanu  
 ε\*Steve A. Corning  
 \* Thomas Carney Corrigan  
 ε James P. Cossey  
 Ovidiu Costin  
 D. Robert Coulson  
 ε\*Malcolm A. Coulter  
 ε\*Petru Teodor Craciunas  
 ε Michael G. Crandall  
 ε Gabriela Cristescu  
 ε Colin W. Cryer  
 ε\*Donald L. Curlovic  
 ε Bradley N. Currey  
 Paolo Custodi  
 ε\*David Scott Cyphers  
 ε John W. Dalida  
 ε\*David B. Damiano  
 ε\*James N. Damon  
 ε\*Martin P. Dana  
 Michael R. Darnel  
 ε\*Boris A. Datskovsky  
 Chandler Davis  
 \* Donald M. Davis  
 ε\*Martin D. Davis  
 ε\*Paul L. Davis  
 ε Jane M. Day  
 ε Michael Patrick Day  
 ε Peter W. Day  
 ε\*Anthony T. Dean  
 ε\*Percy Alec Deift  
 ε Dominick Del Casale  
 ε\*Aristide Deleanu  
 ε James W. Demmel  
 ε Peter Der  
 Marcel A. Deruaz  
 ε\*John E. Derwent  
 ε Dennis Des Chene  
 \* Dennis DeTurck  
 ε Paul F. J. Dhooghe  
 ε Harold G. Diamond  
 ε Odo Diekmann  
 ε\*Charles R. Diminnie  
 ε\*Gerald P. Dinneen  
 ε Dragomir Z. Djoković  
 ε\*Boro Doering  
 ε\*Pierre E. Dolbeault  
 ε James A. Donaldson  
 ε\*James P. Donaly  
 ε\*Robert S. Doran  
 ε\*Jacques Douchet  
 ε Jim Douglas Jr.  
 ε\*Ronald G. Douglas  
 ε\*Alex J. Dragt  
 \* Ronald Lewis Drake  
 ε\*Alexander N. Dranishnikov  
 ε\*Arthur A. Drisko  
 ε\*Bruce K. Driver  
 \* Thomas L. Drucker  
 Thomas E. Duchamp  
 ε Richard M. Dudley  
 ε\*Steve N. Dulaney  
 ε\*William Dart Dunbar Jr.  
 ε\*Kanat Durgun  
 ε\*Timothy R. Eaton  
 ε\*Patrick Barry Eberlein  
 ε\*Allan L. Edmonds  
 Isaac Efrat  
 ε\*William I. Eggers  
 ε Gertrude Ehrlich  
 ε David M. Einstein  
 ε\*Stanley Mamour Einstein-Matthews  
 ε Sigurd Elkjaer  
 ε\*Joanne Elliott  
 ε Steven P. Ellis  
 Wade Ellis Jr.  
 \* Richard S. Elman  
 ε Paul W. Eloe  
 \* Thomas J. Emerson  
 ε\*Jessie Ann Engle  
 ε\*Philip G. Engstrom  
 ε John M. Erdman  
 ε\*Kumar Eswaran  
 ε\*Leonard Evens  
 ε\*Edward R. Fadell  
 ε Ruth G. Favro  
 ε\*Mark E. Feighn  
 ε\*Arnold D. Feldman  
 ε\*Edgar A. Feldman  
 ε\*Norman Feldman  
 ε\*Dominique Fellah  
 ε\*Helaman Ferguson  
 ε\*José Humberto Ferreira Rosa  
 ε\*Ian M. Ferris  
 ε Victor G. Feser  
 Maurice C. Figueres  
 ε\*David V. Finch  
 ε Eileen Fiore  
 ε\*William T. Fishback  
 ε\*Benji N. Fisher  
 ε\*Marjorie Fitting-Gifford  
 ε\*Uri Fixman  
 Mary Elizabeth Flahive  
 ε\*Bernard A. Fleishman  
 ε Richard J. Fleming  
 ε\*Julie A. Fondurulia  
 ε Giovanni Forni  
 ε Joseph David France  
 ε Deborah S. Franzblau  
 ε\*Simon John Fraser  
 ε\*Michael W. Frazier  
 ε\*Peter J. Freyd  
 ε David Fried  
 ε Stephen H. Friedberg  
 ε\*Eugene M. Friedman  
 ε\*Merwyn M. Friedman  
 ε John H. Frisch  
 ε\*Daniel E. Frohardt  
 ε\*Bent Fuglede  
 ε\*Hisanori Fujita  
 ε\*F. Brock Fuller  
 ε\*William R. Fuller Sr.  
 ε\*John D. Fulton  
 ε\*William Fulton  
 ε\*Lisa Novak Gaal  
 ε William E. Gabella  
 ε Michael E. Gage  
 ε\*Jean H. Gallier  
 ε\*Richard L. Gantost  
 \* Howard Garland  
 ε Hillel Gauchman  
 \* Lloyd A. Gavin  
 ε Dale E. Geer  
 ε\*Jean Raymond Genet  
 ε Pedro Jose Geraldo  
 ε Eberhard G. P. Gerlach  
 ε\*Hillel H. Gershenson  
 ε\*Murray Gerstenhaber  
 ε Joseph L. Gerver  
 ε Richard M. Gillette  
 ε Adam Ginzinsy  
 ε\*Anthony A. Gioia  
 Vladimir Gisin  
 ε\*Earl C. Gladue  
 \* Kazimierz A. Goebel  
 ε Valentina Gogovska  
 ε Robert Gold  
 ε\*Samuel Goldberg  
 ε\*Seth I. Goldberg  
 ε\*William Mark Goldman  
 ε Martin Goldstern  
 ε\*Daniel A. Goldston  
 ε\*Martin Golubitsky  
 ε Pete C. Gomez  
 ε\*José Luis Gómez Pardo  
 ε Guihua Gong  
 ε\*Kenneth R. Goodearl  
 Philip Goodman  
 ε\*Roe W. Goodman  
 ε Lorayne Goodspeed  
 ε\*Carolyn S. Gordon  
 ε Marceline D. Gordon  
 ε Rudolf Gorenflo  
 ε\*Yasuhiro Goto  
 ε Claude Goutier  
 ε David J. Grabiner  
 ε\*Kevin A. Grasse  
 ε\*Larry K. Graves  
 ε Richard M. Green  
 ε\*Curtis Greene  
 ε Peter H. Greene  
 ε\*Frederick P. Greenleaf  
 ε Thomas B. Gregory  
 \* Stanley J. Greif  
 ε Evan J. Griffiths  
 Alain A. Grigis  
 ε\*Helmut Groemer  
 ε\*Leonard Gross  
 ε Pierre Grossmann  
 ε Marilyn Grotenhuis  
 ε Juan Mateos Guilarte  
 ε\*Victor W. Guillemin  
 ε Susan C. Gurney  
 ε\*Richard K. Guy  
 ε\*Kwang Chul Ha  
 ε\*Petros Hadjicostas  
 ε Lee O. Hagglund  
 ε\*Peter Hagis Jr.  
 ε James N. Hagler  
 ε Gerhard E. Hahne  
 ε\*Ruth M. Hailperin  
 ε\*Mark Haiman  
 ε Andras Hajnal  
 ε Heini Halberstam  
 ε\*Alfred W. Hales  
 ε R. Stanton Hales Jr.  
 ε\*Robert Joseph Halk  
 ε Timothy Hall  
 ε John L. Hank  
 ε C. P. Harakis  
 ε Heiko Harborth  
 ε\*Beverly Bailey Hargraves  
 ε\*Andrew William Harrell  
 ε\*Joe T. Harris Jr.  
 ε\*Steven Guy Harris  
 ε Edmund O. Harriss  
 ε Robin Hartshorne  
 ε\*Trevor O. Hawkes  
 Douglas Hawley  
 ε\*Thomas J. Head  
 ε\*William S. Heck  
 Aaron James Heick  
 ε Bruno Heintz  
 ε\*Leo Hellerman  
 ε\*Simon Hellerstein  
 ε Robert L. Hemminger  
 ε John P. Hempel  
 ε\*Francis McVey Henderson  
 ε Carsten Hennig  
 ε Douglas A. Hensley  
 \* Christopher M. Herald  
 ε\*James B. Herreshoff  
 ε Ramona Herrmann  
 ε\*Patricia Hersh  
 ε Michael J. Heumos  
 ε Troy L. Hicks  
 ε Yasunari Higuchi  
 ε Teruo Hikita  
 ε\*Hugh M. Hilden  
 ε Shirley A. Hill  
 ε\*Peter J. Hilton  
 ε\*David M. Himmelblau  
 ε\*Nancy Hingston  
 ε Thomas E. Hinrichs  
 Ronald Hirshon  
 ε\*F. E. P. Hirzebruch  
 ε\*Peter David Hislop  
 ε\*Chungwu Ho  
 ε Arthur M. Hobbs  
 ε Billy F. Hobbs  
 ε\*Harry Hochstadt  
 ε\*Scott H. Hochwald  
 ε\*Jonathan P. E. Hodgson  
 ε Helmut H. W. Hofer  
 ε\*Michael E. Hoffman  
 Detlev W. Hoffmann  
 ε Werner Hoffmann  
 ε\*Tom Höholdt  
 \* Harald R. A. Holmann  
 ε\*Philip John Holmes  
 ε John Houstoun  
 Henry C. Howard  
 ε\*Everett W. Howe  
 ε Gary W. Howell  
 ε\*J. S. Hsia  
 ε Pao-sheng Hsu  
 ε\*Archibald Perrin Hudgins  
 ε\*Denise Huet  
 Louie C. Huffman  
 \* Anne Hughes  
 ε\*Mark E. Huibregtse  
 ε Gustavus E. Huige  
 ε\*Birge K. Huisgen-Zimmermann  
 ε\*James E. Humphreys  
 ε\*Karen C. Hunt  
 ε Walker E. Hunt  
 \* Beryl E. Hunte  
 ε\*Michael G. Hurley  
 Taqdir Husain  
 ε Pedro Hussain  
 ε Carol Hutchins  
 ε\*Jang C. Hwang  
 ε Satoru Igari  
 ε\*Tom Ilmanen  
 ε\*Ettore Infante  
 ε\*Hiroshi Inoue  
 ε\*Arnold J. Insel  
 \* Ron Irving  
 \* Richard E. Isaac  
 \* Noburo Ishii  
 ε\*Noboru Ito  
 ε Ryuichi Ito  
 \* N. M. Ivochkina  
 ε\*Eric Robert Jablow  
 \* William Burkley Jacob  
 ε William Araujo Jacques  
 ε\*Robert E. Jaffa  
 ε\*John Antone Jaksich  
 ε\*David M. James  
 ε Jan Janas  
 ε\*James Jantosciak  
 ε\*Herbert Jarszick  
 ε\*Trevor M. Jarvis  
 ε Theresa Jeevanjee  
 ε\*David Jerison  
 ε Shuichi Jimbo  
 ε David J. John  
 \* Trygve Johnsen  
 ε Bradford W. Johnson  
 \* Dale Martin Johnson  
 ε David Copeland Johnson  
 ε\*Donald G. Johnson  
 ε\*Jon L. Johnson  
 ε Marilyn & Charles Johnson  
 ε Norman W. Johnson  
 ε\*Theodore D. Johnson  
 ε Eleanor Green Jones  
 ε Kathryn A. Jones  
 ε\*William B. Jones  
 ε\*Troels Jorgensen  
 ε\*Virginia V. Jory  
 ε\*Joaquim J. A. Judice  
 ε\*James H. Justice  
 ε Manjunatha Prasad K.  
 ε Daniel S. Kahn  
 ε\*Jeffry N. Kahn  
 \* Yūichirō Kakihara  
 ε\*Nigel J. Kalton  
 Leonid A. Kalyakin  
 ε Thomas Dalton Kampff  
 ε\*Richard A. Kanner  
 ε\*Stanley Kaplan  
 ε\*Johan Karlsson  
 Herbert E. Kasube  
 ε Sheldon H. Katz  
 ε\*Victor J. Katz  
 ε\*Arthur Kaufman  
 ε Shunji Kawamoto  
 \* James E. Keisler  
 ε Thomas W. Keller  
 ε\*Bernhard M. Keller  
 ε\*Edward L. Keller  
 ε John B. Kelly  
 ε\*John F. Kennison  
 ε Candace M. Kent  
 ε Clement F. Kent  
 ε Michael Kerho  
 ε Daniel L. Kern  
 ε\*Dima Khavinson  
 ε Peter C. Kiessler  
 ε Kazunori Kikuchi  
 \* Wilfred M. Kincaid  
 ε Brendan King  
 ε\*Donald R. King  
 ε\*Ellen E. Kirkman  
 ε\*Jan Kiszyński  
 Matthias P. Klaey  
 ε\*Peter H. Kleban  
 ε Israel Kleiner  
 ε\*Marvin I. Knopp  
 ε\*Donald E. Knuth  
 \* Donald I. Knutson  
 ε Hai-Ping Ko  
 \* Richard M. Koch  
 ε\*Yoshiharu Kohayakawa  
 ε Semen Koksal  
 ε Kurt Siegfried Kölbig  
 ε Sandaresan Kondagunta  
 ε Heinz J. König

- ε M. Koras  
 ε P. Robert Kotiuga  
 ε Ilias S. Kotsireas  
 ε Jerald J. Kovacic  
 ε Zdislav V. Kovarik  
 ε Erwin Kozakiewicz  
 ε George Kozlowski  
 \* Irwin Kra  
 ε\* Jurg Kramer  
 ε\* Herbert C. Kranzer  
 ε\* Bernd Krauskopf  
 ε\* Gary R. Krumpolz  
 ε Wei-Eihn Kuan  
 ε Peter Kuchment  
 ε\* Robert P. Kurshan  
 ε John F. Kurtzke Jr.  
 ε\* Ruishi Kuwabara  
 ε\* Nosup Kwak  
 Leong-Chuan Kwek  
 ε Carole B. Lacampagne  
 ε\* Jean Pierre Lafon  
 ε\* Jeffrey C. Lagarias  
 ε Mostafa Laghrani  
 ε\* John Patrick Lambert  
 ε\* Peter S. Landweber  
 ε\* Carl E. Langenhep  
 J. Halcombe Laning  
 ε\* David C. Lantz  
 ε\* Arnold Lapidus  
 ε\* Michel L. Lapidus  
 ε\* Peter A. Lappan Jr.  
 Lawrence J.ardy  
 ε\* Richard G. Larson  
 ε Raphael Alexander Laufer  
 ε Jean-Michel Launay  
 ε\* George Laush  
 ε\* Lorraine D. Lavallee  
 ε\* Albert F. Lawrence  
 ε\* John W. Lawrence  
 ε Ruth Lawrence  
 ε\* H. Blaine Lawson Jr.  
 ε\* Walter R. Lawson  
 ε\* Robert F. Lax  
 ε\* John M. Lee  
 ε\* Kotik K. Lee  
 J. Larry Lehman  
 ε\* Gerald M. Leibowitz  
 ε Andrew Lenard  
 ε Jane E. Lenart  
 ε George F. Lenz  
 ε\* James I. Lepowsky  
 ε\* Steven C. Leth  
 ε\* Michael David Levy  
 ε\* Andrew M. Lewis  
 ε Christopher G. Lewis  
 ε\* George M. Lewis  
 ε\* Roger T. Lewis  
 ε\* Frederick W. Leysieffer  
 ε Bingxi Li  
 Jaung Liang  
 ε\* Zvie Liberman  
 \* Stephen Lichtenbaum  
 ε\* Elliott H. Lieb  
 ε Max Lieblich  
 ε\* Shen Lin  
 ε\* Peter A. Linnell  
 ε\* Miriam A. Lipschutz-Yevick  
 ε\* Sally Irene Lipsy  
 ε William G. Lister  
 ε\* Robert D. Little  
 ε\* Ming Chit Liu  
 ε\* Tsai-Sheng Liu  
 ε\* Terry M. Lohrenz  
 ε\* Walter L. Lok  
 ε\* Charles J. Lombardo  
 \* John M. Long  
 ε\* William C. Lordan  
 Michael P. Loss  
 László Lovász  
 ε\* Sylvia Chin-Pi Lu  
 ε\* Tsu-Ming Lu  
 ε\* Thomas G. Lucas  
 ε\* Milan N. Lukic  
 ε Eric E. Lund  
 ε\* Norman Y. Luther  
 ε Jianmin Ma  
 ε Thomas H. MacGregor  
 ε Kirill C. H. Mackenzie  
 ε Richard B. Magruder  
 \* Mehran Mahdavi  
 ε Yury Makarychev  
 ε Hiram Anthony Malaret  
 ε\* Peter Malcolmson  
 ε\* Joseph Malkevitch  
 ε John Mallet-Paret  
 ε Dennis R. Malm  
 ε\* Salvador Malo  
 ε\* David M. Malon  
 \* J. J. Malone  
 ε Kenneth L. Manders  
 ε\* Edward Manougian  
 ε\* Margaret O. Marchand  
 ε\* Eugene A. Margerum  
 Thomas E. Mark  
 \* David E. Marker  
 ε\* Charles Michel Marle  
 ε\* Murray Angus Marshall  
 ε Jeremy Leander Martin  
 Valerie Massimo  
 ε Jerold C. Mathews  
 ε\* Ronald M. Mathsen  
 ε Farley Mawyer  
 Charles N. Maxwell  
 ε J. Peter May  
 ε John C. Mayer  
 ε\* Raymond A. Mayer Jr.  
 \* Michael J. McAsey  
 ε Patricia Tully McAuley  
 ε William G. McCallum  
 ε\* Jon McCammond  
 ε Gregory L. McColm  
 Robert M. McConnell  
 ε\* Robert A. McCoy  
 ε\* Thomas L. McCoy  
 ε\* Marjorie Frost McCracken  
 Michael M. McCrea  
 ε Raven McCrory  
 ε John Colin McCullough  
 ε\* O. Carruth McGehee  
 ε\* Michael J. McGraw  
 ε\* William D. McIntosh  
 ε\* Thomas G. McKay  
 ε\* Robert W. McKelvey  
 ε\* Lionel W. McKenzie  
 ε\* Robert F. McNaughton Jr.  
 ε George Joseph McNinch  
 ε\* Robert C. McOwen  
 ε\* John C. Meakin  
 ε Alberto Medina  
 ε\* David Meier  
 ε Raymond Mejia  
 Anders Melin  
 ε\* José M. R. Méndez-Pérez  
 ε Jorma K. Merikoski  
 ε Richard C. Metzler  
 ε\* Marvin V. Mielke  
 ε Michael H. Millar  
 ε\* Ellen Rammelkamp Miller  
 ε Haynes R. Miller  
 ε John C. Miller  
 \* Kenneth S. Miller  
 ε\* Michael J. Miller  
 ε\* Russell G. Miller  
 \* Stephen S. Miller  
 ε\* Thomas Len Miller  
 ε\* William David Miller  
 Stephen J. Milles  
 \* Kenneth C. Millett  
 ε\* Norman D. Mirsky  
 ε\* Michal Misiurewicz  
 ε\* Theodore Mitchell  
 Itaru Mitoma  
 ε\* Lothrop Mittenenthal  
 ε\* Hisao Mizumoto  
 ε Michael J. Molnar  
 ε J. Donald Monk  
 ε Peter L. Montgomery  
 ε\* Barbara B. Moore  
 ε Keith Moore  
 ε\* Richard A. Moore  
 ε Robert Laurens Moore  
 \* W. Keith Moore  
 ε\* Larry J. Morley  
 ε\* Joseph R. Morris  
 ε\* L. E. Morris  
 \* John A. Morrison  
 ε\* Joseph G. Moser  
 ε William O. J. Moser  
 ε\* Thomas W. Mullikin  
 \* Marvin G. Mundt  
 ε\* James R. Munkres  
 ε Bruno L. Nachtergaele  
 ε\* Alexander Nagel  
 ε\* Kuniaki Nakamitsu  
 ε\* Kazumi Nakano  
 ε Mehrdad Namdari  
 ε Isaac Namioka  
 M. Zuhair Nashed  
 ε Michael Nathanson  
 ε\* Joseph Neggers  
 ε\* Csaba Nemethi  
 Umberto Neri  
 ε Christoph J. Neugebauer  
 ε\* Walter D. Neumann  
 ε James A. Nickel  
 ε\* Liviu I. Nicolaescu  
 Lance W. Nielsen  
 ε\* Togo Nishiura  
 Zbigniew H. Nitecki  
 ε Antony Mukilbi Nkuubi  
 ε\* Nobuo Nobusawa  
 ε\* Ricardo H. Nochetto  
 ε\* Scott R. Nollet  
 ε\* Virginia A. Noonburg  
 ε Eric A. Nordgren  
 ε\* John W. Norris  
 ε\* Duane Q. Nykamp  
 ε\* Andrew M. Odlyzko  
 ε Hajimu Ogawa  
 ε\* Andrew P. Ogg  
 ε Mayumi Ohmiya  
 ε Robert F. Olin  
 ε\* Paul D. Olson  
 ε\* Frank W. J. Olver  
 ε Peter J. Olver  
 ε\* Philip J. O'Neil  
 \* Barrett O'Neill  
 \* Yoshitsugu Oono  
 ε\* Peter P. Orlik  
 \* Kent Orr  
 ε\* Mason S. Osborne  
 ε Bonsu Mensah Osei  
 ε\* James M. Osterburg  
 ε William Oswald  
 ε Javier Otal  
 ε James C. Owings Jr.  
 ε Michio Ozeki  
 ε\* Istvan Ozsvath  
 ε Cardenas Agustin Pacheco  
 ε Felipe M. Pait  
 ε\* Jingyal Pak  
 ε\* Bruce P. Palka  
 ε\* Taxiarchis Papakostas  
 ε Elwood G. Parker  
 ε\* George D. Parker  
 ε\* Thomas H. Parker  
 ε\* Alberto Parmeggiani  
 ε\* James Parson  
 Nicholas Passell  
 ε\* Donald S. Passman  
 ε\* John J. Pastor  
 ε\* Walter M. Patterson III  
 ε\* Charles M. Patton  
 ε Lawrence E. Payne  
 ε Robin A. Pemantle  
 ε\* John W. Pennisten  
 ε\* Juan C. Peral  
 ε Stanislav Alexander  
 Peregudov  
 ε Peter Perkins  
 ε\* Robert V. Perlis  
 ε Peter A. Perry  
 ε William G. Pertusi  
 Tim Perutz  
 Charles Samuel Peskin  
 ε Troels Petersen  
 ε Christopher S. Peterson  
 ε John W. Petro  
 ε\* Walter V. Petryshyn  
 \* Ilya Piatetski-Shapiro  
 ε Don L. Pigozzi  
 ε\* Jonathan Pila  
 ε Lisette de Pillis  
 ε\* Steven Pincus  
 ε Henry C. Pinkham  
 ε\* Mark A. Pinsky  
 ε Mike Pitts  
 ε Sergio Plaza  
 ε Robert J. Pollack  
 ε\* Harriet S. Pollatsek  
 ε John A. Poluikis  
 \* Narahari Umanath Prabhu  
 ε\* Martin E. Price  
 ε Stephen Proietti  
 ε\* David S. Protas  
 ε\* Józef H. Przytycki  
 ε\* Loki Der Quaerer  
 ε George S. Quillan  
 ε\* Adbeel N. Quiñones  
 ε Eric Todd Quinto  
 ε\* Paul H. Rabinowitz  
 ε\* Cary Baker Rader  
 ε\* David E. Radford  
 ε\* Louis B. Rall  
 ε\* Melapalayam S. Ramanujan  
 \* R. Michael Range  
 ε\* Salvatore Rao  
 ε\* Louise Arakelian Raphael  
 ε S. W. Rayment  
 ε Frank Raymond  
 ε\* Maxwell O. Reade  
 \* Douglas C. Reber  
 ε\* David E. Reese  
 ε\* Ernestine Reeves-Hicks  
 ε Irma M. Reiner  
 ε\* John H. Reinoehl  
 ε Guy A. Reynolds  
 ε Fazlollah Reza  
 Charles W. Rezk  
 \* Martin G. Ribe  
 ε Stephen J. Ricci  
 \* Richard S. Rich  
 ε Ross M. Richardson  
 ε Benjamin Rickman  
 ε\* Eleanor G. Rieffel  
 ε\* Jose Rio  
 ε Anne Drinkwater Roberts  
 ε Fred S. & Helen Roberts  
 Joel L. Roberts  
 ε\* Joseph B. Roberts  
 ε Derek J. S. Robinson  
 ε\* David W. Roeder  
 Jonathan Rogawski  
 ε\* David E. Rohrlich  
 ε\* Judith Roitman  
 ε Dale P. O. Rolfsen  
 ε\* Josephine Jardin Romero  
 ε\* Guillermo Romero Melendez  
 ε Lance Holmes Rosedale  
 ε Michael I. Rosen  
 ε David Rosenberg  
 ε\* Jonathan M. Rosenberg  
 ε Steven Rosenberg  
 ε Adrian S. Roth  
 ε Mitchell J. Rothstein  
 ε Cecil C. Rousseau  
 Jane & Bob Rousseau  
 ε Bernard Rouxel  
 ε\* Virginia G. Rovnyak  
 ε Emilio O. Roxin  
 Ranjan Roy  
 ε\* James Samuel Royer  
 ε\* Wimberly C. Royster  
 ε\* Daniel Ruberman  
 \* Joachim H. Rubinstein  
 Wolfgang M. Ruess  
 William H. Rupley  
 ε\* Dorothy S. Rutledge  
 ε\* Cihan K. Sacloglu  
 ε\* Anthony Sacramento  
 ε Albert W. Saenz  
 Edward B. Saff  
 ε Akira Saito  
 ε\* Takashi Sakai  
 ε Toshio Sakata  
 ε\* Héctor N. Salas  
 ε\* Paul J. Sally Jr.  
 ε\* Laurent Saloff-Coste  
 ε\* Daniel Saltz  
 ε Pierre Samuel  
 ε\* Jose Luis Sanchez Palacio  
 ε Oscar Adolfo Sanchez-Valenzuela  
 ε\* Robert W. Sanders  
 ε Jeffrey D. Sandstrom  
 \* Angel San Miguel  
 \* Stanley A. Sawyer  
 ε\* Juan Jorge Schäffer  
 \* Gideon Schechtman  
 ε Ernest C. Schlesinger  
 John F. Schmeelk  
 ε\* Markus Schmidmeier  
 ε Berndt M. Schmidt  
 ε Maria Elena Schonbek  
 ε Richard M. Schori  
 \* John Schue  
 ε Peter Redfield Schultz  
 ε\* Charles Freund Schwartz  
 \* Gerald W. Schwarz  
 ε Laurence Britt Schweitzer  
 ε Berthold Schweizer  
 ε Berndt E. Schwerdtfeger  
 ε Stanley L. Slove  
 ε Ridgway Scott  
 ε\* Warner Henry Harvey  
 Scott III  
 ε Anthony Karel Seda  
 \* Robert T. Seeley  
 ε George F. Seelinger  
 ε\* Howard A. Seid  
 ε Kent Seinfeld  
 ε\* George B. Seligman  
 Carlo E. Sempi  
 ε George H. Sengen  
 Aditi M. Sengupta  
 ε Francesco Serra Cassano  
 ε\* Richard J. Shaker  
 \* Patrick Shanahan  
 ε\* Priti Shankar  
 ε Harold N. Shapiro  
 ε\* Henry Sharp Jr.  
 Zhongwei Shen  
 ε\* John C. Shepherdson  
 ε Michael Sherbon  
 ε\* Kenichi Shiraiwa  
 ε\* William Ivan Shorter  
 ε\* Steven E. Shreve  
 ε\* Stanley R. Shubsda Jr.  
 ε\* David S. Shucker  
 ε\* Stuart J. Sidney  
 ε\* Daniel S. Silver  
 Anastasios Simalarides  
 ε\* Patrick J. Sime  
 \* Yakov G. Sinai  
 ε\* Hardiv H. Situmeang  
 ε Man-Keung Siu  
 ε\* Walter S. Sizer  
 ε Wojciech Slowikowski  
 ε Eric V. Slud  
 ε\* William F. Smyth  
 ε Timothy Law Snyder  
 ε David Reed Solomon  
 ε Jeffrey Elliott Solski  
 ε\* Linda R. Sons

# CMS/CSHPM Summer Meeting 2009

June 6 - 8, St. John's, Newfoundland

**Host: Memorial University of Newfoundland**

Scientific Director: David Pike (Memorial)

Local Arrangements: Danny Dyer (Memorial)

## PRIZE LECTURES

**Jeffery-Williams Prize** - Stephen Kudla (Toronto)

**Krieger Nelson Prize** - Yael Karshon (Toronto)

**Excellence in Teaching Award** - David Poole (Trent)

## PLENARY LECTURES

Elizabeth Billington (Queensland)

Jeremy Gray (Open Univ.; Warwick, UK)

Michael Mackey (McGill)

Susan Montgomery (USC)

Michael Sigal (Toronto)

Gaoyong Zhang (Polytechnic Univ.; New York)

## PUBLIC LECTURE

Helaman Ferguson (Sculptor)

## SESSIONS

Algebraic Combinatorics

Algebraic Geometry and Topology (joint Canada/Korea)

Algebraic Group Actions and Invariant Theory

Combinatorial Designs and Related Topics

Financial Mathematics

Geometric Harmonic Analysis and

Partial Differential Equations

Graph Searching

Groups and Hopf Algebras

History and Philosophy of Mathematics (CSHPM)

History of the Relationship Between Mathematics  
and the Physical Sciences (CSHPM)

Interactions between Algebraic Geometry  
and Ring Theory

Mathematical Physics

Mathematics Education

Nielsen Theory and its Applications

Nonlinear Dynamics and Applications

Numerical Analysis and Scientific Computing

Operator Algebras

Reaction-Diffusion Systems and Their Applications

Topological Algebra, Topology, and Functional Analysis

Contributed Papers



[www.cms.math.ca](http://www.cms.math.ca)

ε Michael J. Sormani  
 ε Frank Sottile  
 ε\* Birgit Speh  
 ε\* Dennis Spellman  
 ε\* Richard H. Squire  
 ε Anand Sridharan  
 ε Ross E. Staffeldt  
   J. Toby Stafford  
 ε\* William L. Stamey  
 ε\* Lee James Stanley  
 \* Christopher W. Stark  
 ε\* Sherman K. Stein  
   Leon Steinberg  
 ε Charles I. Steinhorn  
 ε Clarence F. Stephens  
 ε\* T. Christine Stevens  
 ε\* John R. Stock  
 ε\* Paul K. Stockmeyer  
 ε Stephan A. Stolz  
 ε Philip D. Straffin Jr.  
 \* Emil J. Straube  
 ε Vladimir A. Strauss  
 ε\* Walter A. Strauss  
 ε Rebecca Ann Streett  
 ε Volker Strehl  
 \* Robert S. Strichartz  
 ε\* Gerhard O. Strohmmer  
 ε\* Daniel W. Stubbs  
 ε\* Matthew Erik Suhr  
 ε\* Kelly John Suman  
 ε Andrei A. Suslin  
 ε Andrew V. Sutherland  
 ε\* William J. Sweeney  
 ε Glen Dewane Swiggart  
 ε\* Roman Sznajder  
 ε Alain-Sol Sznitman  
 ε Marcus Ray Szwankowski  
 ε\* Earl J. Taft  
 ε\* Kazuaki Taira  
 ε\* Lajos F. Takács  
 ε Richard B. Talmadge  
 ε\* Hisao Tanaka  
 \* Yoshihiro Tanaka  
 ε\* Daniel Louis Tancreto  
 ε Folkert M. Tangerman  
 ε Elliot A. Tanis  
 ε Horacio Tapia-Recillas  
 ε\* James J. Tattersall  
 ε\* B. A. Taylor  
 ε\* Michael D. Taylor  
 ε Michael E. Taylor  
 ε S. James Taylor  
 ε Jean-Marc Terrier  
 ε\* Paul M. Terwilliger  
 ε\* Francisco Javier Thayer  
 ε Erik G. F. Thomas  
 ε\* Lawrence E. Thomas  
 ε\* Robert J. Thompson  
 ε\* John A. Thorpe  
 ε Gino Tironi  
 ε Geoffrey Richard Tobin  
 \* Daniel B. J. Tomiuk  
 ε Andre Toom  
 \* Craig A. Tracy  
 ε Jeanne & Ray Trebbien  
 ε\* Selden Y. Trimble V  
 ε Gerard Tronel  
 ε Spiros P. Tsatsanis  
 ε Kazō Tsuji  
 ε\* Ralph P. Tucci  
 ε Howard G. Tucker  
   James Michael Turner  
 ε\* Johan Tysk  
 ε Stephen V. Ullom  
 ε James Loudon Ulrich  
 ε\* Tomio Umeda  
   Glenn William Umont  
 ε Yasushi Unai Unai  
 \* Michael Ungs  
 ε\* Colleen A. Vachuska  
 ε Stephen Vági  
 \* Johannes A. Van Casteren

ε\* H. N. Van Eck  
 ε A. H. Van Tuyl  
   Srinivasa R. S. Varadhan  
 ε Francis & Diana P. Vargofcak  
   Charles I. Vinsonhaler  
 ε\* Michael Voichick  
 ε\* Dan-Virgil Voiculescu  
 ε\* Paul A. Vojta  
 ε\* Hans W. Volkmer  
 ε Hidekazu Wada  
 ε David H. Wagner  
 ε\* Philip D. Wagreich  
 ε\* Jonathan M. Wahl  
 ε\* David B. Wales  
 ε\* Justin Clement Walker  
 ε\* Nolan R. Wallach  
 ε\* John Thomas Walsh  
 ε\* Hans Ulrich Walther  
 ε Pei-yong Wang  
 ε\* Seth L. Warner  
   Arthur G. Wasserman  
 ε\* Robert H. Wasserman  
 ε Michiaki Watanabe  
 ε\* Shōji Watanabe  
   William C. Waterhouse  
 ε\* Mark E. Watkins  
 ε\* Cary H. Webb  
 \* David L. Webb  
 ε Jason Riley Webster  
 ε Anthony A. Weidner  
 ε\* Hans F. Weinberger  
 ε Joel L. Weiner  
 ε\* Michael I. Weinstein  
 ε Greg Wene  
 ε\* Henry C. Wente  
 ε Elisabeth M. Werner  
 ε\* John E. Wetzel  
 ε Natalie Whisler  
 ε\* Roger A. Wiegand  
 ε\* Sylvia Margaret Wiegand  
 ε Thomas Stephen Wilde  
 ε\* John F. Wilkinson  
 ε James F. Williams  
 ε\* Charles K. Williamson  
   John R. Willis  
 ε Archie Wilmer III  
 \* Robert Lee Wilson  
   Beth A. Wingate  
 \* Eric J. Winger  
 ε\* F. Wintrobe  
 ε\* Bettina Wiskott  
 ε\* Louis Witten  
 ε\* Stephen D. Wolthusen  
 ε\* George V. Woodrow III  
 ε Dennis H. Wortman  
 ε\* Arthur Wouk  
 ε Alun Wyn-Jones  
 ε Hiroyoshi Yamaki  
 ε\* Yasuko Yamazaki  
 ε\* Fawzi M. Yaqub  
 ε\* Suresh Yegnashankaran  
 ε\* J. Michael Yohe  
   Hisashi Yokota  
 ε Takashi Yoshino  
 ε\* Donald F. Young  
 ε Roy Young  
   K. E. Zak Benbury  
 ε\* Jean-Claude Zambrini  
 ε\* François Zera  
 ε\* Boguslaw Zegarliniski  
 ε Richard & Nancy Zeleznikar  
 ε Paul Zeleznikar-Matching gift  
   from Kawasaki Motors Corp.  
 ε\* David E. Zitarelli  
   Reza R. Zomorrodian  
 ε\* Paul F. Zweifel  
 ε Paul J. Zwier  
 Anonymous (279)