



2020 Contributors



Credit: HCS Photography, Inc.

Catherine A. Roberts
AMS Executive Director

Dear AMS Members and Friends,

While 2020 was not the year we expected or would have chosen, it was an inspiration to see the extraordinary support mathematicians extended to one another, and it was an honor for the AMS to be part of such a strong and healthy community. I will look back on 2020 as a year when our community was wonderfully generous, and hope this contributor's report captures some of that spirit.

Last year the AMS pivoted to offer new virtual conferences and other resources, resulting in some of the most accessible events we have ever hosted. In addition, our transition to an almost entirely digital workflow for Mathematical Reviews (accelerated by the constraints of working remotely) was a monumental effort that will make MathSciNet® more efficient and sustainable for years to come. The Board and Council joined together in a unanimous statement of support for and solidarity with Black mathematicians, acknowledged the difficult and necessary work of addressing the AMS's historical role in perpetuating inequality and racial injustice, and charged a task force with identifying a way forward aligned with our mission, vision, and values. We also committed to publishing a new research journal, *Communications of the American Mathematical Society*, using the diamond open access model (free to authors and readers). Finally, our dedication to supporting AMS members at all stages of their careers resulted in frozen dues and publication fees, new networking opportunities, and an expansion of remote access to existing and new resources—a powerful testament to our commitment to advancing research and creating connections.

All these efforts were supported by donors to the AMS. Fiske Society donors, who had included the AMS in their wills, made important gifts last year that supported all our programs. Epsilon Fund donors continued to enhance summer enrichment programs for young scholars. Newly established endowed funds augmented the support for early-career mathematicians pioneered by our successful Next Generation Campaign. The list goes on: gifts for graduate student chapters, gifts for fellowships, and gifts for undergraduates who were at risk of not completing their studies. All contributions were especially critical in a year when the AMS stepped in to support mathematicians however it could.

On behalf of the whole mathematical community, which has connected and supported us all during this challenging year, please accept my heartfelt thanks.

Catherine A. Roberts
Executive Director

Thomas S. Fiske Society

Members of the Thomas S. Fiske Society create a personal legacy supporting mathematics by naming the AMS in their will, retirement plan, or other gift vehicle. The AMS celebrates the following people for their thoughtful vision.

* indicates deceased.

Anonymous (6)	Thomas Dietmair*	Timothy E. McMahon	Henry Schaerf*
Rachel Blodgett Adams*	Peter L. Duren*	Trevor J. McMinn*	Josephine M. Mitchell and Lowell I. Schoenfeld*
Roy L. Adler*	Ky and Yu-Fen Fan*	Eve Menger	Steven H. and Joanna Wood Schot*
Alfred Aeppli*	Isidore Fleischer*	Fredric Menger	Rubin Smulin*
Douglas Allen	Ramesh A. Gangolli	Helen Abbot Merrill*	Leroy P. Steele*
Walter Augenstein*	Sidney Glusman*	Cathleen S. Morawetz*	David M. Sward
Richard A. and Melanie L. Baum	Ronald L. Graham*	Kiiti Morita*	B. A. and M. Lynn Taylor
Kathleen Baxter*	Rosalind J. Guaraldo*	Charles C. Morris*	Eugene and Kathryn B. Toll*
Barbara Beechler*	James F. and Bettie C. Hannan*	Sidney Neuman*	Edmond and Nancy Tomastik
Gerald* and Shirley Bergum	Robert Henderson*	Carroll Vincent Newsom*	Waldemar J. and Barbara Trjitzinsky*
Israel Berstein*	Geneva Barrett Hutchinson*	Albert Nijenhuis*	Steven H. Weintraub
Ernest William Brown*	Joseph Kist*	Christos D. Papakyriakopoulos*	Sally Whiteman*
Robert L. Bryant and Reymundo A. Garcia	Robert T. Kocembo	Charles E. Parker II	James V. Whittaker*
Ralph L. Cohen and Susan Million	Steven G. Krantz and Randi Diane Ruden	Mary K. Peabody*	James K. Whittemore*
Richard M. Cohn*	Andrew Lenard*	Marion Reilly*	Susan Schwartz Wildstrom
Levi L. Conant*	Carole B. Lacampagne	James G. Renno, Jr.*	Thea and William Salkind*
anna cueni and loki der quaeler	Radha G. Laha*	Joseph Fels Ritt*	
Robert J. Daverman	Yanguang Charles Li	Catherine A. Roberts	
Edward Davis*	Zhaorong Liu	Moshe Rosenfeld	
	Joseph S. Mamelak	T. Benny Rushing*	
	Ralph Mansfield*	Arthur Sard*	
		Paul T. and Barbara Schaefer*	

Endowed Funds

Donors may establish named endowed funds at the AMS. The following named endowed funds were approved by the Board of Trustees.

Wendell H. Fleming Fund for the Next Generation

John S. Hsia Fund for the Next Generation

Tom Leighton and Bonnie Berger Fund for
the Next Generation

Edmund Landau Award for Undergraduate Opportunity

In Tribute

The following friends, colleagues, and family members are being specially honored by commemorative gifts. The AMS is pleased to be the steward of donors' generosity in their name.

Gifts made in honor of the following individuals:

B. Mitchell Baker by *Christine Kamenoff*

Bill Barker by *Catherine A. Roberts*

Jose Barros-Neto by *Joan Corbett*

Shiferaw Berhanu by *Anonymous*

E. Bhagyalakshmi by *Anonymous*

Richard Bishop by *Stuart Levy*

George Boxer by *Daniel Bryant*

Maura Cajigan by *Marygrace Trousell*

James A. Donaldson by *Matthew Ando*

Peter Duren by *Linda R. Sons*

Helen Grundman by *Anonymous*

Ellen Heiser, Robin Marek, Emily Riley, Sheila Rowland
by *Donald and Mary McClure*

H. Jerome Keisler by *Jeffrey Keisler*

Harry Kesten by *Anonymous*

Vadim Komkov by *Henry Price Kagey*

Nadine Kowalsky by *Timothy Wright*
 Martin Magid by *Noah Mart*
 Anna Mello by *Steven Joel Miller*
 Smrity Mukhopadhyay by *Salilesh Mukhopadhyay*
 Boyd Z. Palmer by *Regeneron Pharmaceuticals*
 and *Donald G. Palmer*
 Gail and Pamela by *John Moss Grover*

Eugene A. Pflumm by *Mollie Pflumm*
 Henri Poincaré by *Cyprien Saito*
 Devin Serinken by *Deniz Serinken*
 American Mathematical Society by *Cyprien Saito*
 Raj Pal Soni by *Suzanne Marie Lenhart*
 Maria Vulpe by *Sophie Vulpe*
 Natalie Wong by *Francis Edward Su*

Gifts made in memory of the following individuals:

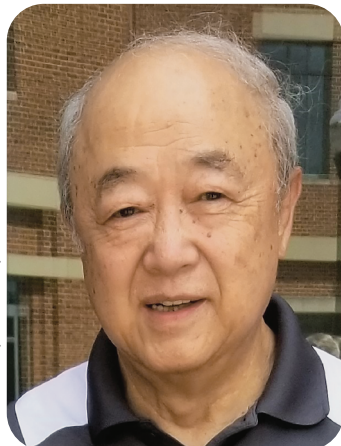


Photo courtesy of Hsia Family

John S. Hsia

Family, friends, students and colleagues created a Named Endowed Fund, the **John S. Hsia Fund for the Next Generation** in memory of number theorist John S. Hsia of Ohio State University, which will support future generations of early career mathematicians.

Anonymous (4)
 10X Engineered Materials
 Ignacia Baeza-Icaza
 James Benham
 Carol Chester
 Michael W. Davis
 Dr. A. G. Earnest
 Sara Ferrar
 David Fischer
 Gary Gardner

Christine Gazda
 Jo H. Glover
 Robert Gold
 Christine Hsia
 Lynette Wehmeyer Hsia
 Toshiya Kawakubo
 Myung-Hwan Kim
 Gordon D. Klein
 Phyllis Klein
 Roderick Lee

Yung-Chen Lu
 Jane I. Lyons
 Heather Michalak
 Maria Icaza Perez
 Jenny Rucker
 James H. Saunders
 Ronald M. Solomon
 Cheryl Speckl
 Calvin Wohlert

Bennett Mitchell Baker by *Randolph Schweickart and Lenora Satin*
 Richard Bishop by *Matthew Kramme*
 Carol Ann Blackwood by *Ellen H. Heiser*
 George (Greg) Brooks by *Regeneron Pharmaceuticals and Donald G. Palmer*
 Chun-Ting Chen by *Jungkai Alfred Chen*
 Todd A. Drumm by *Anonymous (2), Mary Jones-Dilworth, Barbara T. Faires, Kelly Hafertepe, Jane M. Hawkins, Janet and Mark Kammeyer, Josh Kelly, Pamela and William Lutz, Thomas Marnejon and Paul Neuzil*
 Peter L. Duren by *Estate of Peter L. Duren, Professor B. A. and M. Lynn Taylor, Mei Wang, C. David Minda, and Nancy Pfaltzgraff*
 Clifford J. Earle by *Earle Family Fund of the Community Foundation of Tompkins County*
 Kathryn B. Edward and G. Hopkins, Sr. by *Ellen H. Heiser*
 Peter Fletcher by *Aileen Fletcher*
 Vladimir E. Fortov by *Anonymous*
 Kenneth I. Gross by *Jennifer Taback and Thomas Pietraho*
 Bill Harvey by *William Abikoff*
 Katherine Johnson by *Jennifer C. Schultens*
 Herbert Kamowitz by *Elaine Kamowitz*
 Jane and James Kister by *Arthur G. Wasserman*

John S. Lagarias by *Anonymous*
 Dana May Latch by *John C. Cherniavsky*
 Cecil E. Leith by *Mary Louise Leith*
 Vincent O. McBrien by *Dr. Joseph W. Paciorek*
 Maryam Mirzakhani by *David A. Vogan Jr. and Arash Fahim*
 G. D. Moscow and R.G. Douglas by *Anonymous*
 Nancy C. Ogden by *Joan P. Ogden*
 Nikhil Patel by *Anonymous*
 Eugene A. Pflumm by *Mollie Pflumm*
 Samuel M. Rankin III by *Hans P. Engler, Dr. Graeme Fairweather, William E. Fitzgibbon, Stephen Gillotte, Jane M. Hawkins, Ellen H Heiser, Brian Loggins, Donald and Mary McClure, Linda P. Rosen and J. S. Walker*
 Paul J. Sally by *Judith D. Sally*
 Pranab Kumar Sarkar by *Salilesh Mukhopadhyay*
 Lori Sprague by *Graeme Fairweather*
 Past American Mathematical Staff by *Victoria Ancona*
 Elias M. Stein by *Elly Stein*
 John T. Tate by *Carol Tate*
 Richard Tondra by *Don L. Pigozzi*
 Tsungming Tu by *Loring W. Tu*
 Emil Vulpe by *Sophie Vulpe*
 Stephen Wildstrom by *Susan Schwartz Wildstrom*
 Pythagoras by *Christopher Alan Prewitt*

AMS Donors

The people and organizations listed below made gifts to the AMS between January 1–December 31, 2020. The AMS thanks every donor on behalf of the beneficiaries for their generosity. Every gift helps advance mathematics.

Photo courtesy of the University of Nebraska—Lincoln



“Given the AMS’s central place in the mathematical community, donations to the AMS are especially effective. I support the AMS because I believe in the AMS. The AMS serves the mathematics community with dedication and experience, and I know that my gift to the AMS will make a difference. When combined with gifts from other donors, my gift can have a tremendous positive impact on the future of our profession.”

—Judy L. Walker,
Chair of AMS Board of Trustees

PARTNERS

(\$10,000 and above)

Anonymous (2)
Adrian D. Banner
Bonnie Berger and
Tom Leighton
Joan and Joseph* Birman
Michael I. Brin
Estate of Peter L. Duren
Estate of James V. Whittaker
Michael Forster and
Susan Cole
Ann LeVeque
M. Susan Montgomery
The Savage Charitable Fund
of the Community
Foundation of Broward
Elly Stein

STEWARDS

(\$5,000 to \$9,999)

John D. Brillhart
Henry Cohn
Richard L. Gantos
Stephen & Margaret Gill
Family Foundation
Lynette Wehmeyer Hsia
Craig L. Huneke
David Jerison
Joan P. Ogden
Andrew P. Ogg
Jill C. Pipher
Glenn H. Stevens
Susan Schwartz Wildstrom

BENEFACTORS

(\$2,500 to \$4,999)

Anonymous (1)
Ruth M. Charney
John B. Conway
William G. McCallum
Donald and Mary McClure
Zbigniew H. Nitecki
Kenneth A. Ribet and
Lisa Goldberg
Catherine A. Roberts
Lance W. Small and
Lynne Barnes Small
Loring W. Tu

PATRONS

(\$1,000 to \$2,499)

Anonymous (2)
Matthew Ando
James G. Arthur
Edward J. Barbeau Jr.
Georgia Benkart
Roger Chalkley
Robert J. Daverman
Peter Der
Harold G. Diamond
Estate of Kathleen Baxter
Arash Fahim
Erica Flapan and
Francis Bonahon
Deb Flemin
William Mark Goldman
Ronald* and
Fan Chung Graham

Greater Kansas City
Community Foundation
Elizabeth Grossman and
Joshua Boorstein
Alfred W. Hales
Ellen H. Heiser
John M. Hosack
Paul and Bonnie Humke
Ron and Gail Irving
James E. Keisler
David C. Kelly
Chandrashekhhar Khare
Bryna Kra
Soun-Hi Kwon
Jeffrey C. Lagarias
Robert K. Lazarsfeld
Zheindl Lehner
Mary Louise Leith
Albert and Dorothy Marden
Robin Marek and
David Beutel
Joseph G. Moser
Salilesh Mukhopadhyay
Walter D. Neumann
M. Frank Norman
anna cueni and
loki der quaeler
Eric M. Rains
Peter J. Riemer
Timothy Rupert Riley
Andrew M. Rockett
Marc Roth
Linda Preiss Rothschild
Habib Salehi
Judith D. Sally

Richard M. Schoen
Paul Shneidman
Susan and Joseph Silverman
Gigliola Staffilani
Norton and Irene Starr
T. Christine Stevens
Jennifer Taback and
Thomas Pietraho
Carol Tate
Christine Taylor
Mark A. Taylor
Douglas L. Ulmer
David A. Vogan Jr.
Karen Vogtmann and
John Smillie
Sophie Vulpe
Steven H. Weintraub
George V. Woodrow III

SPONSORS

(\$500 to \$999)

Anonymous (4)
Joseph A. Ball
Gerald E.* and
Shirley Bergum
Peter B. Bjorklund
Leonard John Borucki
Henrik Bresinsky
David M. Bressoud
John Bromback
Charles Allen Butler
Karl E. Byleen
Richard Chandler
Sun-Yung A. Chang
Jungkai Chen
Ralph Cohen and
Susan Million
Albert W. Currier
Charles W. Curtis
Everett C. Dade
Michael R. Douglas
Loyal Durand
Robert D. Edwards
Benson Farb and
Amie Wilkinson
Sergey Fomin
Stephen S. Gelbart
Jo H. Glover
Google LLC
Frank D. Grosshans

- Robert M. and
Shelley Guralnick
Audrey Cole Hand
Jon L. Johnson
Seva and
Valentina Joukhovitski
Maria Margaret Klawe
Leonid Kneller
Keri A. Kornelson and
Noel Patrick Brady
Robert Krasny
Robert J. Lipshutz and
Nancy Wong
Albert T. Lundell
Ursula Magaard
David B. Massey
James W. Maxwell
Gregg McCarty
Yiannis N. Moschovakis
Eric A. Nordgren
Kasso A. Okoudjou
Takashi Ono
Gerald J. Porter
Jonathan M. Rosenberg
Ronald C. Rosier
Karen Saxe and Peter Webb
Randolph Schweickart
Keith Paul Smith
Louis Solomon
Margaret W. Taft
Akshay Venkatesh
Judy Leavitt Walker
Jay A. Wood
Tsu C. Wu
Paul C. Yang
- ASSOCIATES**
(*\$100 to \$499*)
Anonymous (27)
William P. Abrams
Jose Adachi
William W. Adams
Donald W. Anderson
Michael T. Anderson
Stuart S. Antman
Kendall Atkinson
Catherine C. Aust
Scott E. Axelrod
Allen H. Back
Guillaume Bal
John T. Baldwin
Christopher L. Barrett
Wayne W. Barrett
Frances B. Bauer
Peter H. Baxendale
Jason P. Bell
- Wolfgang Bell IV
Jean V. Bellissard
George M. Bergman
Julia Bergner
David R. Berman
Bruce C. Berndt
David S. Berry
Jerome Blackman
David E. Blair
Steven E. Blasberg
Ronald F. Boisvert
Paul Bourgade
Aldridge K. Bousfield
John S. Bradley
Steven B. Bradlow
Michael A. Breen
David Broom
Lawrence G. Brown
Richard K. Brown
Andrew M. Bruckner
Joseph T. Buckley
Danalee Buhler
R. B. Burckel
Ralph Stevens Butcher
L. Lorne Campbell
James C. Cantrell
Corrado Cardarelli
Jon F. Carlson
James Baldwin Carrell
David W. Carter
James R. Case
A. S. Cavaretta Jr.
Thomas E. Cecil
Seth D. Chaiken
Gulbank D. Chakerian
Ronald J. Chase
Scott G. Chastain
Pak Soong Chee
Victoria Hunter Cheney
John C. Cherniavsky
Vladimir V. Chernov
William A. Cherry
Stuart Citrin
Chester Dodge Clark
William Clee
Sandra and Daniel Cohen
Donald L. Cohn
Carolyn Cole
George Cole
Paul Dana Cole
Bruce P. Conrad
Douglas L. Costa
Malcolm A. Coulter
Carl C. Cowen
John S. Cross
Robert J. Currier
- Howard Lee Dachslager
David B. Damiano
James N. Damon
Martin P. Dana
Anthony J. D'Aristotile
Ingrid Daubechies
Ian M. Davies
Guillermo Davila-Rascon
Chandler Davis
Donald M. Davis
Paul L. Davis
Clint Dawson
Guy M. De Primo
Herbert A. Dekleine
Dominick J. DelCasale
R. Peter DeLong
Yuanan Diao
Charles R. Diminnie
Peter C. Dolan
Simon Donaldson
M. Anne Dow
Loyal Durand
Matthew J. Dyer
Earle Family Fund of the
Community Foundation
of Tompkins County
Stanley Mamour
Einstein-Matthews
Nathaniel Eldredge
Richard S. Elman
Hans P. Engler
Barbara T. Faires
Graeme Fairweather
Ruth G. Favro
Mark E. Feighn
Burton I. Fein
Marjorie Fitting-Gifford
William E. Fitzgibbon
Wendell H. Fleming
Felix F. Flemisch
Aileen Fletcher
Gerald B. Folland
Julie A. Fondurulia
Andrew Foster
Walden Freedman
Ralph S. Freese
Laszlo Fuchs
William Fulton
John B. Garnett
Murray Gerstenhaber
Stephen Gillotte
Jane Piore Gilman
Maurice Eugene Gilmore
James G. Glimm
Paul Goethals
Daniel A. Goldston
- Martin Golubitsky
Kenneth R. Goodearl
David J. Grabiner
Kevin A. Grasse
Larry K. Graves
Albert Groenenboom
Daniel D. Gutierrez
Owen Gwilliam
Jacob Gyntelberg
Gerhard E. Hahne
Mark Haiman
Richard M. Hain
Ursula Hamenstadt
Carsten Hansen
Gerald Hanweck
David Harbater
Stacy Guy Harris
Garry D. Hart
Bill Hassinger Jr.
Jane M. Hawkins
Dennis A. Hejhal
Simon Hellerstein
Francis McVey Henderson
Georg Hetzer
Gerald A. Heuer
Gloria C. Hewitt
Troy L. Hicks
Alexandrou A. Himonas
Peter David Hislop
Jonathan P. E. Hodgson
Christian W. Hoffmann
Hartmut Hoft
R. T. Hoobler
Vernon Howe
Tiao-Tiao Hsu
James G. Huard
Joseph A. Hughes
Mark E. Huibregtse
Birge K.
Huisgen-Zimmermann
Karen C. Hunt
Walker E. Hunt
Felice Iavernaro
Yulij Sergeevich Ilyashenko
Ettore Ferrari Infante
Popescu I. Ionela IV
William Jackson
Louise Jakobson
Barbara J. Janson
George A. Jennings
Mary H. Jennings
Hans Joergen Jensen
Robert R. Jensen
Eugene C. Johnsen
Charles N. Johnson
David Copeland Johnson

FROM THE AMS SECRETARY

Donald G. Johnson
 Mary Jones-Dilworth
 William B. Jones
 Mattias Jonsson
 Henry Price Kagey
 Thomas Kailath
 Masoud Kamgarpour
 Janet Kammeyer
 Elaine Kamowitz
 Jonathan M. Kane and
 Janet E. Mertz
 Kiran S. Kedlaya
 William Jonathan Keith
 Robert P. Kertz
 L. Richardson King
 Allan M. Kirch
 Roland R. Kneee Jr.
 Hai-Ping Ko
 Antoni A. Kosinski
 Adnah G. Kostenbauder
 Robert Edward Kottwitz
 George Kozlowski
 John E. Krimmel
 Robert P. Kurshan
 Joanne Ladolcetta
 Jeanne LaDuke
 Peter S. Landweber
 Joseph A. Langsam
 Michel L. Lapidus
 Peter A. Lappan Jr
 Philip and Mary Lavin
 Gregory F. Lawler
 John M. Lee
 David B. Leep
 Robert N. Leggett Jr.
 J. Larry Lehman
 Gerald M. Leibowitz
 Estate of Andrew Lenard
 H. W. Lenstra
 Stuart Levy
 Albert C. Lewis
 John B. Little
 Ming Chit Liu
 George W. Lofquist
 Brian Loggins
 Ling Long
 Jonathan D. Lubin
 Daniel H. Luecking
 Clement H. Lutterodt
 Russell D. Lyons
 Michael C. Mackey
 Joseph Malkevitch
 J. J. Malone
 Joseph S. Mamelak
 Kenneth L. Manders
 Pauline Mann-Nachbar

Stefano Marchiafava
 Walter Markowitch Jr.
 Greg Marks
 Charles Michel Marle
 Thomas J Marlowe Jr.
 Thomas Marnejon
 Antonio Marquina
 Noah Mart
 James Martin
 Arthur P. Mattuck
 Stephen B. Maurer
 John C. Mayer
 Raymond A. Mayer Jr.
 Jon McCammond
 Clint McCrory
 J. M. McDonough
 O. Carruth McGehee
 Francis Oisin McGuinness
 William D. McIntosh
 Charles McMichael Jr.
 Robert C. McOwen
 George F. Meierhofer
 William Wyatt Menasco
 Janet Mertz
 Microsoft
 Marvin V. Mielke
 Arnold W. Miller
 Steven Joel Miller
 C. David Minda
 Stanislav M. Mintchev
 Rick Miranda
 Norman D. Mirsky
 Guido Mislin
 Irina Mitrea
 Harris Ahmed
 Mohammed Ismail
 Hugh L. Montgomery
 Carlos Julio Moreno
 Yasuhiro Morita
 Larry J. Morley
 Joseph R. Morris
 Robert A. Morris
 Kent E. Morrison
 Motohico Mulase
 Hans J. Munkholm
 David C. Munton
 Mircea I. Mustata
 Amy Nadine Myers
 Shoichi Nakajima
 Hayato Nawa
 Arnold L. Neidhardt
 Csaba Nemethi
 Paul Neuzil
 Peter E. Ney
 Togo Nishiura
 Ricardo H. Nochetto

Landon Curt Noll
 Andrew M. Odlyzko
 Hajimu Ogawa
 Andrzej Okninski
 John Arthur Oman
 Yoshitsugu Oono
 Morris Orzech
 Mikhail Ostrovskii
 Joseph W. Paciorek
 Donald G. Palmer
 John H. Palmieri
 Peter Papadopol
 Bozenna Pasik-Duncan
 Donald A. Patterson
 James M. Peek
 John W. Pennisten
 Maria Cristina Pereyra
 Sanford Perlman
 William G. Pertusi
 Troels Petersen
 Mollie Pflumm
 Don L. Pigozzi
 Paul P. Pollack
 Roman A. Polyak
 Vaughan R. Pratt
 Jozef Henryk Przytycki
 Richard A. Quint

Eric Todd Quinto and
 Judith Anne Larsen
 Paul H. Rabinowitz
 Louis B. Rall
 James V. Ralston
 R. Michael Range
 Salvatore Rao
 Frank Raymond
 Christopher L. Reedy
 David E. Reese
 Regeneron Pharmaceuticals
 Michael Bela Revesz
 Robert J. Reynolds
 Bruce Reznick
 Martin G. Ribe
 Barbara Slyder Rice
 John F. Richards
 Marc A. Rieffel
 Robert D. Rigdon
 Geoffrey R. Robinson
 Vijay K. Rohatgi
 Sharon Cutler Ross
 Patrice Roussel
 Daniel Ruberman
 David Ryeburn
 Jeffrey R. Sachs
 Cyprien Saito
 Hector N. Salas

The Undergraduate Opportunity Awards

provide support to undergraduate mathematics majors in financial need, allowing them to pursue their passion. In the words of Shaun, a Trjitzinsky Award winner, "once I started taking the more theoretical and abstract classes, I knew I had to become a math major and keep this interesting, odd, and frankly fun subject in my life."

—Shaun Cesario,
 2020 Trjitzinsky Award winner



Photo courtesy of Shaun Cesario

- Matthew Samsel
Chelluri C. A. Sastri
Ken-iti Sato
Richard Schori
Cedric F. Schubert
Jennifer C. Schultens
Alan Chumitzky
Robert J. Schwabauer
Andreas Seeger
Kenichi Sekiya
Mohamed W. I. Sesay
Frances Sexauer
Freydoon Shahidi
Richard J. Shaker
Ellis R. Shamash
Christine and
David Shannon
Mark Sheppard
Brooke Shipley
Alan H. Shuchat
Stuart J. Sidney
Kyle T. Siegrist
Allan J. Silberger
Daniel S. Silver
Lucia Simonelli
David B. Singmaster
Walter S. Sizer
John R. Smart
Mikhail Smirnov
Michael J. Sormani
Frank J. Sottile and
Sarah J. Witherspoon
John J. Spitzer
David A. Sprecher
Stan Spurrier
Harold M. Stark
Russell Lynn Stead
Paul K. Stockmeyer
Manfred Stoll
Lawrence D. Stone
Howard Straubing
Garrett James Stuck
Francis Edward Su
Kimio Sugita
Kelly John Suman
David M. Sward
Andrzej A. Szymanski
Daniel Joseph Tancredi
Carol Tate
B. A. and M. Lynn Taylor
Laurence R. Taylor
Michael D. Taylor
Edward C. Thoele
John A. Thorpe
Lisa Gail Townsley
Selden Y. Trimble V
- Jeremy Taylor Tyson
Masaaki Ue
Antonius J. Van Haagen
Anthony Varilly-Alvarado
Wolmer V. Vasconcelos
Anatoly M. Vershik
Jean-Eudes Villeneuve
Richard A. Vitale
Marie A. Vitulli
John Voight
Stephen Wainger
J. S. Walker
Justin Clement Walker
Roger Walker
John Thomas Walsh
Hans Ulrich Walther
Mei Wang
William Edwin Warren
Max Leon Warshauer
Arthur G. Wasserman
David S. Watkins
Mark E. Watkins
Cary H. Webb
Barnet M. Weinstock
Lloyd R. Welch
Richard A. Wentworth
Ellen Westheimer
John E. Wetzel
Brian D. Wick
M. Hilary Davies
Roberta Williams
Susan Gayle Williams
Bettina Wiskott
Japheth L. M. Wood
Timothy Wright
Hung-Hsi Wu
Bostwick F. Wyman
Masayuki Yamasaki
Michael Yanowitch
Sam Wayne Young
Chevron
Thomas Zaslavsky
Evgeniy I. Zelenov
- FRIENDS**
(\$1 to \$99)
Anonymous (36)
Juan Jose Abad
Martha L. Abell
Raymond Lee Abma
Tadashi Aikou
Akram Aldroubi
Douglas Allen
Bruce N. Allison
Marcia Almeida
Agustin Alonso-Rodriguez
- Dale E. Alspach
Vrege Jolfai Amirkahanian
Victoria Ancona
Kurt Munk Andersen
Susan Andima
George E. Andrews
Michael M. Anshel
Tom Armbruster
Edward M. Arnold
Kendall E. Atkinson
Jean-Christophe Aubert
Bernice L. Auslander
Gerard Anthony Azar
Tom Armbruster
Mohammad K. Azarian
Mobeen Azhar
Kiyoshi Baba
Carlo Bardaro
Claude W. Bardos
Amir Barghi
William H. Barker
David J. Barsky
Rana Barua
Patricia Bauman
J. Thomas Beale
David S. Becker
Jacob Philip Bedrossian
Alfred Stefan Beebe
John A. Beekman
Horst Behncke
Robert Beig
Sarah-Marie Belcastro
Robert W. Bell
Abdelatif Bencherif-Madani
Edoardo Beretta
Eugeniy Ivanovich
Berezhnoi
Alan E. Berger
James S. Bethel
Bradley Betts
Gautam Bharali
Marilyn S. Bickel
Lydia Bieri
Katalin Bimbo
David Samuel Bindel
Bjorn Birnir
Terrence Paul Bisson
Animikh Biswas
Don Blasius
Dorothee Jane Blum
Gudrun M. Gunnarsdottir
Bodvarsson
Gebhard Boeckle
Albrecht Boettcher
Mikhail E. Bogovskii
Jayaraman Boobalan
- Grant M. Boquet
Lev A. Borisov
Endre Boros
Jeffrey Howard Boyd
Robert E. Bozeman
Sylvia T. Bozeman
Tom C. Braden
Alberto Branciaro
William Branson
Daniel Brearley
John C. Breckenridge
Stewart Brekke
Robert C. Brigham
Gordon E. Brown
Kenneth S. Brown
Russell M. Brown
Claude P. Bruter
Henry Bryan
Daniel Bryant
Daniel Buehler
Jack Bukowski
Stephen S. Bullock
Daniel Willis Bump
Krzysztof Burdzy
Richard Charles Burge
Peter J. Buser
Colin J. Bushnell
Johnny Cadick
Rotraut G. Cahill
Christopher Carbone
Michael E. Carrell
Fabrizio M. E. Catanese
Graham D. Chalmers
Max Chaves
Li Chen
Thomas Chen
Robert Chew
Bhadrachalam Chitturi
Demetrios Christodoulou
Richard C. Churchill
David L. Clampitt
David M. Clark
C. Herbert Clemens
Frederick R. Cohen
Joel M. Cohen
Michael P. Cohen
Floyd B. Cole III
Daniel Comenetz
Daniel Condurache
Thomas A. Cootz
Joan Corbett
Chris Cosner
Alfredo Costa
Ovidiu Costin
Bradley N. Currey
David Scott Cyphers

FROM THE AMS SECRETARY

Peter Gueorgiev Dalakov	Michael Frank	Hugh M. Hilden	John P. Kavanagh
John P. Dalbec	Daniel E. Frohardt	Gerald N. Hile	Jeffrey Keisler
Harrison Garrett Daniels	Siqi Fu	Shirley A. Hill	Edward L. Keller
Jan W. Dash	John D. Fulton	Ronald Hirshon	Josh Kelly
Boris A. Datskovsky	William E. Gabella	Chungwu Ho	Daniel C. Kemp
Kevin Davidsaver	Fernando Galaz-Fontes	Gerald H. Hoehn	John T. Kemper
Martin D. Davis	Eugene C. Gartland Jr.	Michael E. Hoffman	John F. Kennison
Kenny De Commer	Lloyd A. Gavin	Detlev W. Hoffmann	Dmitry Khavinson
Luquesio Petrola	Robert A. Gergondey	Dustin Hollingsworth	Mark and Peggy Kidwell
De Melo Jorge	Stephen R. Gerig	John M. Holte	Michael K. H. Kiessling
Roberto F. Oliveira	Joseph L. Gerver	Jean MacGregor Horn	Yeansu Kim
Anthony T. Dean	Ira M. Gessel	Jim E. Hoste	Ian Kiming
Margaret Hollis Dean	Yoshikazu Giga	Roger F. House	Paul O. Kirley
Stephen Dell	Jack E. Girolo	V. Dwight House	Jan Kisynski
Anastasiya Denisova	Colin M. Glanville	Thomas Hsu	Andrew T. Kitchen
Jochen Denzler	I. V. Goddard	Timothy M. Hsu	Benjamin G. Klein
Etienne Desquith	J. D. Goddard	Yu-Wen Hsu	Robert Matthew Klein
Erik Deumens	Michael Colin Godfrey	Denise Huet	Derek Klinge
Oliver Diaz-Espinosa	Dorian Goldfeld	Anne Hughes	Tsuyoshi Kobayashi
Jaroslav Dittrich	Michael Goldstein	James F. Hurley	Richard M. Koch
Ana Nora Donaldson	Martin Goldstern	David E. Hurtubise	Jerzy Kocik
John E. Doner	Yasuhiro Goto	Jacques Claude Hurtubise	Yoshiharu Kohayakawa
Dogan Donmez	Franklin R. Gould	Carol Hutchins	Sadayoshi Kojima
Martin J Dowd	Ryan E. Grady	Joan P. Hutchinson	R. J. Kolesar
Alexander N. Dranishnikov	Sidney W. Graham	Andrew D. Hwang	Ralph D. Kopperman
Thomas L. Drucker	Alistair Gavin Gray	Francesco Iachello	Yvette
Alex S. Dugas	Mary W. Gray	Tomoyuki Ichiba	Kosmann-Schwarzbach
Neil P. Dummigan	Delbert P. T. Greear	Pascal Imhof	Eric J. Kostelich
Alexander Duncan	William L. Green	Ettore Ferrari Infante	Daniel B. Kotlow
Christopher Dwyer	Gary R. Greenfield	Arnold J. Insel	Jurg Kramer
David H. Easley	Frederick P. Greenleaf	Lynne Kamstra Ipiná	Matthew Kramme
Patrick Barry Eberlein	Phillip A. Griffith	Joseph A. Iskra Jr	Aleksandr S. Krantsberg
C. Henry Edwards	Yury A. Grigoryev	Alexander J. Izzo	Herbert C. Kranzer
Bruce E. Eichinger	John Moss Grover	Matthieu Jacquemet	Wei-Eihn Kuan
Soren Eilers	Gerd Grubb	Mirmosadegh Jamali	Keisaku Kumahara
Sylvan H. Eisman	Craig R. Guilbault	David M. James	Alexander P. M. Kupers
Joseph J. Eiss	Shiv Kumar Gupta	Gabriela Jaramillo	John Patrick Lambert
G. Griffith Elder	Samuel Gutekunst	Peter M. Jarvis	Gregory Langmead
Alberto Elduque	Wynne Alexander Guy	Trevor M. Jarvis	Lyle H. Lanier Jr.
Joanne Elliott	Kelly Hafertepe	David Andrew Jekel	David C. Lantz
Rod Elsdon	Mark F. Hagen	Miaohua Jiang	Philippe Laurecot
Thomas J. Emerson	R Stanton Hales Jr.	Sye Jimenez	Lorraine D. Lavallee
Philip G. Engstrom	William F. Hammond	Trygve Johnsen	David Law
Kazuyuki Enomoto	Heiko Harborth	Beorn Johnson	H. Blaine Lawson Jr
Kumar Eswaran	Dorothee D. Haroske	Dale Martin Johnson	Walter R. Lawson
Martha Evens	Andrew William Harrell	David L. Johnson	Jaewoo Lee
Pramod Eyyunni	Dennis E. Harrison	Kenneth Walter Johnson	Kotik K. Lee
Barbara Fantechi	Jonas Hartwig	Robert Jones	Suzanne Marie Lenhart
Frank A. Farris	Brian Hayes	Michael Joyce	James I. Lepowsky
Ian M. Ferris	David Hayes	Jeffry N. Kahn	King Shun Leung
David V. Finch	Peter Niels Heller	Yuichiro Kakihara	Graham J. Leuschke
Patrick J. Fitzsimmons	Rohan Hemasinha	Aref Kamal	Edward L. Lever
Anne Kathryn Flaherty	Thomas Henningsen	Charles H. Kaman	Michael Levet
Richard J. Fleming	Christopher M. Herald	Christine Kamenoff	Xin Li
Robert A. Fontenot	Ira W. Herbst	Tasso J. Kaper	Zvie Liberman
Jeff Fossum	Margaret Hermann	Trevor Karn	Burton B. Lieberman

FROM THE AMS SECRETARY

Kee-Kean Lim
Eric Mitchell Linn
Tsai-Sheng Liu
John Locker
John M. Long
James M. Lord
Leo Lutchansky Jr.
Norman Y. Luther
Pamela and William Lutz
Zinaida A. Lykova
Thomas Patrick Mack
Oliver Macklin
Yoshiaki Maeda
Mehran Mahdavi
Franz Maier
Leonid G. Makar-Limanov

John G. McDonald
Burnell Thomas McKissick
Andrew M. McLennan
Alberto Medina
David Meier
Raymond Mejia
Anders Melin
Jorma K. Merikoski
Bernhard Joerg Mieck
Ellen Miller
Hugh Miller
Michael J. Miller
William David Miller
Michael William Minic
Dionysios Mintzopoulos
John A. Mitchem

Gerhard Niklasch
Tsunekazu Nishinaka
Virginia A. Noonburg
Mohd Salmi Noorani
Rutger Noot
Masatoshi Noumi
Olav Kristian Nygaard
Richard Alan Oberle
Serge Ochanine
Timur Oikhberg
Mogens Norgaard Olesen
Robert F. Olin
Marcel Oliver
David R Olson
Paul D. Olson
Peter J. Olver

Charles Samuel Peskin
Emmanuel R. Peyre
Nancy Pfaltzgraff
Mark A. Pierson
Cornelius Pillen
Dan Pirjol
Gilles Pisier
Harriet S. Pollatsek
Malabika Pramanik
Stanley Preiser
Christopher Alan Prewitt
Martin E. Price
Gregory J. Puleo
George S. Quillan
Michael F Quinn
Ashvin Rajan

What is Dispersion?

We are all familiar with dispersion since we observe it all the time:

- **Rainbow:** dispersion causes the spatial separation of white light into different colors.
- **Ripples:** expanding ring is called a wave-packet. Individual waves travel at different speeds, the longest ones going fastest and the shortest ones slowest.



Andrea R. Nahmod (UMass Amherst) Propagation of randomness under NLS 2 / 42

Even though many AMS meetings were held virtually because of the pandemic, the **AMS Child Care Grants** program, thanks to our generous donors, provided much needed childcare support for participants of the JMM and the Eastern, Central, Western and Southeastern Sectional Meetings.



Peter Malcolmson
Josef Malek
Maryanthe Malliaris
David M. Malon
Alfred P. Maneki
David Imler Marshall
Greg Martin
Ernesto Martinez
Samuel Masih
Makoto Masumoto
H. F. Mattson Jr.
Donald E. Maurer
Ava Mauro
Ellen J. Maycock
Dieter H.J. Mayer
Anna L. Mazzucato
James G. McLaughlin
Cynthia L. McCabe
Gregory L. McColm
Robert M. McConnell
Thomas McConnell
Michael J. McCourt

Marco Modugno
Sally M. Moite
Connor R. Mooney
Douglas Moore
Henri Moscovici
Garrett Selden Moseley
Catherine M. Murphy
Grattan P. Murphy
Erin F. Murray
William O. Murray
Mark Myers
Bruno L. Nachtergaele
Takao Namiki
Anthony C. Nance
Melvyn Nathanson
Miguel Fernando Negron
Christian-Frieder Nelius
Monica Nevins
Juan Neyra
Dr Sedar Ngoma
Alexandra Nichifor
Lance W. Nielsen

Daniel J. Opitz
Edward T. Ordman
Bent Orsted
Bruce Thor Osbo
Brad G. Osgood
Yelin Ou
Judith A. Packer
Victor P. Palamodov
Sethu Palaniappan
Bruce P. Palka
Thomas H. Parker
Alberto Parmeggiani
David A. Pask
Sarah E. Patrick
Nicholas J. Patterson
Peter Paule
Dusko Pavlovic
Siegfried H. R. Pawelke
Daniel Pawlak
Stephen Pennell
Manley Perkel
Peter A. Perry

Dinakar Ramakrishnan
Melalalayam S Ramanujan
A. Prabhakar Rao
A. S. Rapinchuk
James M. Rath
Gary M. Rathbone
S. W. Rayment
Don Redmond
Ernestine Reeves-Hicks
Eugenio Regazzini
Andrew Reiter
Michael Renardy
Jean N. Renault
Stephen J. Ricci
Norman J. Richert
Jose Rio
Thomas W. Rishel
Anne D. and Paul C. Roberts
Pedro Martins Rodrigues
David E. Rohrlich
Judith Roitman
John Sebastian Rojas

FROM THE AMS SECRETARY

Raymond H. Rolwing	Dev P. Sinha	Scott Tilton	John W. Wingate
Guillermo Romero Melendez	Hardiv H. Situmeang	C. Cary Timar	F. Wintrobe
Linda Rosen	Irina F. Sivergina	Dan Timotin	Ralf W. Wittenberg
Kenneth A. Ross	Jon A. Sjogren	Bjarne Toft	Willie Wai Yeung Wong
Adrian S. Roth	Daphne Skipper	Craig A. Tracy	Charles Robert Wunsch
Bruce L. Rothschild	Stephen Slack	Cedric Travelletti	Ping Xiao
Ivan Daniel Rothstein	Brian D. Sleeman	Jan Trlifaj	Marvin Yablon
Regina Rotman	Laurie M. Smith	Marygrace Trousdell	Deane Yang
Virginia G. Rovnyak	William F. Smyth	Spiros Peter Tsatsanis	Suresh Yegnashankaran
Dimitrios Roxanas	Florian Sobieczky	Joann Stephanie Turisco	Lynne Yengulalp
Joachim H. Rubinstein	Bruce Michael Solomon	Richard J Turyn	J. Michael Yohe
Robert S. Rumely	Anthony E. Solomonides	Johan Tysk	Yosef N. Yomdin
Hansklous Rummmler	Boris Solomyak	Tomio Umeda	Manchun Yu
Bernard Russo	Linda R. Sons	Frederick William Umminger	Charles T. Zahn
Joshua M. Sabloff	Alexia Henderson Sontag	Abraham Albert Ungar	Jean-Claude Zambrini
Mikhail Safonov	Claudia Spiro	Benedek Valko	Ahmed I. Zayed
Mohammad Sajid	Sam Spiro	Johannes A. Van Casteren	Joshua Zelinsky
Thomas S. Salisbury	Emily H. Sprague	Gerard Van der Geer	Stephen M. Zemyan
Jonathan Winslow Sands	Aravind Srinivasan	Joseph C. Varilly	Jose Zero
Hanamantagouda Pandappa	Thirumalai P. Srinivasan	Violeta Vasilevska	Gaoyong Zhang
Sankappanavar	Ross E. Staffeldt	Alexander Vauth	Pavel Zhardetskiy
Hiroki Sato	J. Toby Stafford	Robert Jerome Velazquez	Jun Zou
Hidemitsu Sayeki	Dennis W. Stanton	Frank Verhoeven	John A. Zweibel
Giambattista Scarpi	David Stepleton	Alekos Vidras	Patrick Dylan Zwick
Andre Scedrov	John R. Stembridge	Thomas I. Vogel	
Doris W. Schattschneider	Michael Stob	Paul A. Vojta	
James R. Schatz	Philip D. Straffin Jr.	Yury Volin	
Gideon Schechtman	Volker Strehl	Hans W. Volkmer	
Markus Schmidmeier	Hans-Christof Stuwe	Jonathan M. Wahl	
Wolfgang M. Schmidt	William D. Sudderth	Sebastian Walcher	
Christian Schnell	William H. Sulis	Mark J. Waldschmidt	
Sam Scholze	Richard W. Sullivan	Shawn W. Walker	
R. Martin Schottenloher	Roman Sznajder	Hans-Otto Walther	
Lynn Schreyer	Yoshinori Takei	Yunjiao Wang	
Anthony Karel Seda	Jun-Ichi Tanaka	S. Ole Warnaar	
Richard Brant Seguin	Yoshihiro Tanaka	Greg M. Watson	
Howard A. Seid	Xiang Tang	Edward C. Waymire	
George B. Seligman	Elliot A. Tanis	David L. Webb	
Stuart A. Seligson	Terence Chi-Shen Tao	Glenn F. Webb	
Carlo E. Sempi	Timothy Tatar	Wolfgang Wefelmeyer	
Deniz Serinken	Leon H. Tatevossian	Joel L. Weiner	
Francesco Serra Cassano	Keith A. Taylor	Michael S. Weiss	
Mohammad Shakil	Victor E. Terrana	John C. Wenger	
Zhongwei Shen	Joseph A. Thas	Elisabeth M. Werner	
Ching-Kuang Shene	Ryan Therkelsen	Ciara Wharton	
Anastasios Simalarides	Ben Thomas	Denis A. White	
Patrick J. Sime	Zora Thomova	Tad P. White	
Lloyd D. Simons	Jon Thompson	Robert Lee Wilson	
	Pham Huu Tiep	Beth A Wingate	
	Stephen J. Tierney		

* indicates deceased.

This report reflects contributions from January 1, 2020, through December 31, 2020. Accuracy is important to us and we apologize for any errors. Please bring discrepancies to our attention by calling AMS Development at 401.455.4111 or emailing development@ams.org. Thank you.