



# 2022 Contributors



Credit: Mike Nyman Photography

**Catherine A. Roberts**  
AMS Executive Director

Dear AMS Members and Friends,

Throughout 2022 we felt the pent-up demand and enthusiasm for connection, for collaboration, and for many of the traditions that mark the mathematical calendar. It was inspiring and affirming to see mathematicians from across the country and at all stages of their careers working together to strengthen the fabric of our community—from AMS sectional meetings, to our Mathematics Research Communities, to preparing for the 2023 Joint Mathematics Meetings. Donors to the AMS expressed their ongoing confidence in the people, the programs, and the mission of our Society this year with their support of new prizes and awards, ongoing initiatives, and new programs. This report highlights some of these wonderful gifts. Please join me in thanking our donors for their generosity and vision.

AMS donor gifts created an extraordinary number of exciting new prizes, fellowships, sponsorships, and awards last year that celebrate and support mathematicians: the Ivo and Renata Babuška Thesis Prize, awarded to the author of an outstanding PhD thesis in mathematics; the Stefan Bergman Fellowship, awarded to a research mathematician conducting research in real analysis, complex analysis, or partial differential equations; the Bose, Datta, Mukhopadhyay and Sarkar Fund, endowing a JMM Current Events Bulletin lecture; the I. Martin Isaacs Prize for Excellence in Mathematical Writing, awarded for excellence in writing of a research article; and three rotating Elias M. Stein Prizes to be awarded for New Perspectives in Analysis, for Transformative Exposition, and for Commitment to Mentoring.

In addition, donors continue to strengthen the programs the AMS provides at the Joint Mathematics Meetings to support connection and collaboration. The Next Generation Fund provided travel grants for graduate students, donor support underwrote travel grants for faculty at Primarily Undergraduate Institutions (PUIs), and an anonymous donor created undergraduate opportunities at the JMM for presentations, poster sessions, networking, and socializing.

Finally, the AMS was extraordinarily fortunate last year to receive news of additional donor bequests. These gifts demonstrate a shared commitment to the enduring values of our Society, since they will support the AMS long after the donor's lifetime. The AMS celebrates and honors these donors by including them in the Thomas A. Fiske Society. This Contributor Report lists all Fiske Society members, highlighting both those who are new this past year, as well as those whose bequests to the AMS have been received. We continue to be grateful for their legacy of support for all areas of the AMS.

The mathematical community benefits from contributions from mathematicians of all ages, in all professions, at all institutions, and from all backgrounds. On behalf of the Society, thank you for your generous and thoughtful gifts to our mathematical community: your support encourages and inspires us all.

Catherine A. Roberts  
*Executive Director*

## AMS Donors Create New Prizes

We are grateful to Czech-American mathematician Ivo Babuška for creating the **Ivo and Renata Babuška Thesis Prize**, which will be awarded annually to the author of an outstanding PhD thesis in mathematics, interdisciplinary in nature, possibly with applications to other fields. The prize honors Renata Babuška (nee Mikulášek), Professor Babuška's wife and partner for 63 years, who passed away in 2020. Babuška's interest in fostering collaboration among mathematicians, engineers, and physicists led him to establish this prize to encourage and recognize interdisciplinary work with practical applications.

The inaugural Ivo and Renata Babuška Thesis Prize will be awarded in 2024.



Photo courtesy of the Babuška family



Photo was taken by Yvonne M. J. Nagel

I. M. (Marty) Isaacs

The **I. Martin Isaacs Prize for Excellence in Mathematical Writing** was established in 2022 by a generous gift from Professor I. M. (Marty) Isaacs of the University of Wisconsin. The prize is to be awarded for excellence in writing of a research article published in a primary journal of the AMS in the past two years. Inspired by his experience advising twenty-nine PhD students and helping them improve their mathematical writing, Isaacs's motivation for creating the prize was to encourage and recognize the highest standard of mathematical exposition in AMS journals.

At the time of writing, the date of the inaugural I. Martin Isaacs Prize for Excellence in Mathematical Writing is yet to be announced.

## 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:

Pushpa R. Agrawal *by Jagdish C. Agrawal*  
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 Walter Rudin *by Anonymous*  
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 Nicole Simkins *by Stephen J. Tierney*  
 Karolina Sprecher *by David A. Sprecher*

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

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 My mother and my siblings *by Val Fung*  
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# Highlight on the Next Generation Fund

With the generous help of an anonymous benefactor and many other AMS donors, the Campaign for the Next Generation raised \$3 million to create an endowment to help graduate students and early career mathematicians as they establish their professional lives. The Next Generation Fund provides funding for the AMS Graduate Student Travel Grant program and as it grows, will provide secure, dedicated support to influential career-building programs including Mathematics Research Communities, AMS Employment Center, JMM Child Care Grants, and AMS Graduate Student Chapters. A top AMS priority, the Fund is designed to adapt to future needs and will support many individuals each year at modest but impactful levels.



Thanks to the Next Generation Fund, the AMS awarded over one hundred and fifty travel grants to graduate students to attend the 2023 Joint Mathematics Meetings in Boston. Here, students enjoy a social moment between events.

## The *Next Generation Fund* 2016–2022 by the numbers:

Total Gifts: **\$3,424,603**

Donors:  
**948**

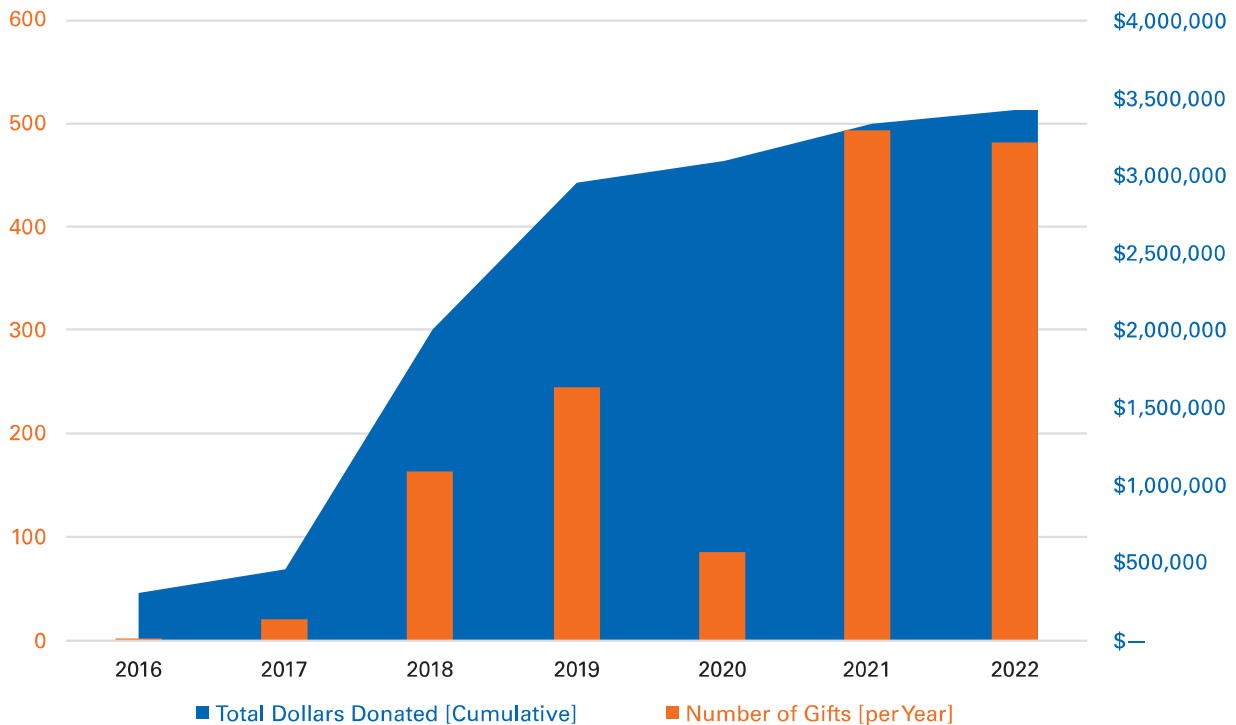
Number of gifts:  
**1,495**

Median gift:  
**\$40**

AMS Graduate Student Travel Grants awarded for 2023 JMM:  
**155**

Named Endowed Funds in NextGen:  
**13**

Next Generation Fund 2016–2022





## Create Your Legacy: The 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. **Fiske Society members inducted in 2022 are indicated in bold.** *Asterisk indicates deceased.*

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The American Mathematical Society offers donors the opportunity to establish named endowed funds at the AMS. These endowed funds support research and the mathematical community for future generations while commemorating a family member, colleague, or mentor. (The number in brackets indicates the year the fund was created.)

Satyendra Nath Bose, Mahadev Datta, Salilesh Mukhopadhyay and Pranab K. Sarkar Fund (2021)	William Ted Martin Fund for the Next Generation (2019)
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William J. LeVeque Fund for the Next Generation (2019)	Robert Henderson Fund (1940)
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## AMS Donors

The people and organizations listed below made gifts to the AMS between January 1–December 31, 2022. The AMS thanks every donor on behalf of the beneficiaries for their generosity. Every gift helps advance mathematics. *Asterisk indicates deceased.*



Photo courtesy of Joseph Silverman

“The AMS is a wonderful organization that provides a community for mathematicians at all stages of their careers. The programs, meetings, and resources that the AMS offers create opportunities for all of us. I am proud to support the AMS, because I know that my donation makes a difference in supporting the whole of our mathematical profession.”

— Joseph H. Silverman  
Chair, AMS Board of Trustees

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## Supporting Undergraduates

The AMS Undergraduate Opportunity Awards are one-time grants awarded to undergraduate mathematics majors, helping to ensure that financial hardship does not stand in the way of completing their degree program. Over two hundred promising math students have received Waldemar J. Trjitzinsky Memorial Awards (established by the Trjitzinsky family in 1991) and Edmund Landau Awards (established by an anonymous donor in 2020). In 2022, nine Trjitzinsky and one Landau Awards of \$3,000 were made.



Photo courtesy of Kaia De Vries

**2022 Landau Award winner Kaia De Vries**, a sophomore at the University of Maine, Orono, is pursuing a mathematics major and a computer science minor. De Vries first became interested in math

as a child and hopes to become involved in mathematics research as an undergraduate. De Vries plans to continue her math studies in graduate school.



Photo courtesy of Mahdi Rahman

**2022 Trjitzinsky Award winner Mahdi Rahman** is a junior at the University of Buffalo-SUNY, majoring in mathematics. He had considered becoming an engineer or a doctor, but this changed when

he watched math videos to prepare for the SAT and realized he actually enjoyed mathematics. Mahdi is particularly interested in algebra and analysis and aspires to dedicate himself to these fields.



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Photo courtesy of Augenstein family.



### A Gift to the Mathematics of Tomorrow

An AMS member for 25 years, Walt made a generous unrestricted bequest to the AMS. Walt told us, "I am profoundly glad to be able to contribute to the progress of mathematics and the AMS throughout the world. A gift to the AMS and to the future of mathematics is an expression of my values." We are deeply grateful for Walt's dedication to mathematics.

Pictured: Walter O. Augenstein, Jr. (1951–2020)

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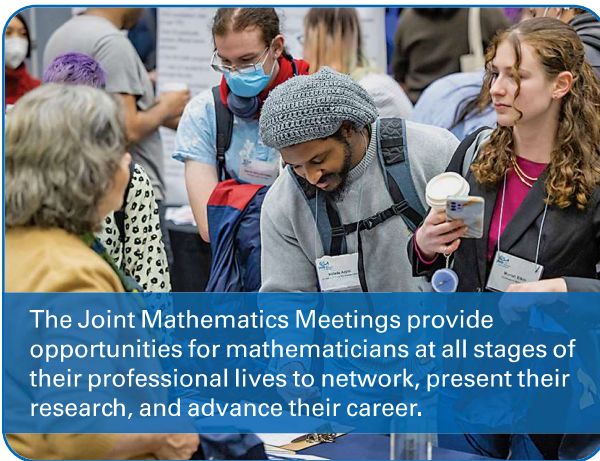
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“Attending the Joint Mathematics Meetings was vital for me to take the next step in my academic career, both by presenting my own work, as well as meeting other graduating students and more senior mathematicians.

Having this grant made it much easier to focus on the mathematics and networking of the conference instead of how I was going to afford to attend, and for that I am incredibly grateful.”

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