

Latinxs and Hispanics in Mathematical Sciences



"As a Latin American living in the U.S., Hispanic Heritage Month holds great significance for me. It is a time to raise awareness of how ubiquitous our presence is in this country. As a mathematician, I have encountered countless inspiring individuals who identify as Latine or Hispanic and are doing amazing work in science. This month is an opportunity to celebrate these diverse stories while also acknowledging the struggles behind them. By doing so, I hope we can continue to inspire future generations and show them that science—and particularly mathematics—can be pursued by anyone, anywhere."

Dr. Alonso Delfín Ares de Parga

Burnett Meyer Postdoctoral Fellow
University of Colorado, Boulder

Alonso Delfín Ares de Parga was born and raised in Mexico City. He initially started an undergraduate degree in Economics at ITAM (Instituto Tecnológico Autónomo de México), but eventually switched to a degree in Applied Mathematics, also at ITAM. After completing his undergraduate degree, Alonso decided to pursue a career in pure mathematics and earned a Master of Science in Pure Mathematics from CINVESTAV-IPN (Centro de Investigación y de Estudios Avanzados del Instituto Politécnico Nacional). While completing his master's degree, he started teaching undergraduate Calculus courses at ITAM.

Right after his Master's graduation, Alonso moved to Eugene, OR, to pursue a PhD in Mathematics at the University of Oregon (UO) under the supervision of N. Christopher Phillips. While at UO, he conducted research in Functional Analysis, ran two Directed Reading Projects with undergraduate students, taught 14 undergraduate courses, and was a TA for several graduate courses in Analysis and Probability.

Alonso is currently a Burnett Meyer Postdoctoral Fellow at the University of Colorado Boulder, working with mentors Carla Farsi and Judith Packer. At CU Boulder, he engages in research and teaches both undergraduate and graduate courses. He has also spent two summers running REU(G) projects based on some of his research projects that are accessible to strong undergraduate students and early graduate students.

Alonso has more than 10 years of teaching experience and has been passionate about teaching since his undergraduate years. He began tutoring and running help sessions early in his academic career. Immediately after earning his undergraduate degree, he was hired to teach Calculus courses at his alma mater. One of the reasons he chose the University of Oregon (UO) for his PhD was its policy allowing graduate students to be sole instructors of undergraduate courses from their first year. As a result, he has taught a wide variety of undergraduate courses (some in Spanish, most in English), including College Algebra, Trigonometric Functions, Differential Calculus, Integral Calculus, Vector Calculus, Differential Equations, Discrete Mathematics, Linear Algebra, Analysis, and Introduction to Proofs. His favorite course to teach is Discrete Mathematics—likely because it is far from his research area, and he finds the topics both interesting and challenging, making him particularly enthusiastic about explaining them to students. Additionally, he has TA'd for several graduate courses in Analysis and Probability, given numerous expository research talks, and taught a Topics in Functional Analysis course for graduate students at CU Boulder.

Lathisms was founded in 2016 in order to showcase the contributions of Latinx and Hispanic mathematicians during Hispanic Heritage Month, which is celebrated in the United States from September 15 and October 15 every year. During this time, we feature/reveal a prominent Latinx/Hispanic mathematician daily. See all the featured mathematical scientists at [LATHISMS.ORG](https://lathisms.org).

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