

Latinxs and Hispanics in Mathematical Sciences



Marilyn Y. Vazquez Landrove

Marilyn Y. Vazquez Landrove was born in Morelos, Mexico. She received a B.A. in Economics and a B.S. in Mathematics from California State University, Long Beach (CSULB). At CSULB, Vazquez Landrove did her senior thesis under Jen-Mei Chang. She then received a M.S. and subsequently a Ph.D. in Mathematics from George Mason University. Her doctoral dissertation was under the supervision of Tim Sauer and Tyrus Berry. During the last two years of her Ph.D. program, she was a visiting researcher at the National Institute of Standards and Technology. Vazquez Landrove will be an Institute Postdoctoral Fellow at the Institute for Computational and Experimental Research in Mathematics (ICERM) for the 2018-2019 academic year.

Vazquez Landrove's research interests are in applied and computational mathematics. She seeks to develop theoretical and practical tools to better understand the underlying patterns in data. During her doctoral years, she developed a consistent data clustering method that was successfully applied to segment microstructure images of different materials. Other projects that she was actively involved in include analyzing patterns of high dimensional points that display the hubness phenomena and the design of gauge layouts for better precipitation measurements. Vazquez Landrove will be working on computer vision problems under the supervision of Pedro Felzenszwalb during her stay at ICERM.

"Hispanic Heritage Month allows people of all backgrounds to see what Latinxs have achieved. It is my aspiration that, as more of us enter different fields, we set up an example of "si se puede" (yes we can) for our younger generations. It is my hope that we embrace our different experiences, cultures, and backgrounds to enrich the world with new perspectives that will drive us forward and help us make a better world."

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.

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