



Maryam Mirzakhani was the first woman to win the Field's medal, the world's most prestigious mathematics prize since the award was established nearly 80 years ago. Her work has the potential to influence many areas of study, including material science, engineering, quantum field theory, and even theoretical physics as it applies to the origin of the Universe.

She was an Iranian-American mathematician and a professor of mathematics at Stanford University. Her sophisticated and highly original research contributions include Teichmüller theory, hyperbolic geometry, ergodic theory, and symplectic geometry. She focused on understanding the symmetry of curved surfaces, such as spheres, the surfaces of doughnuts and of hyperbolic objects.

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