



Jeffrey Rabin

Professor of Mathematics

Research Areas Mathematical Physics
 Supermanifolds and Supervarieties
 String Theory
 Mathematics Education

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Professional Biography

After receiving his Ph. D. in Physics from Stanford University, Jeff Rabin did research in theoretical particle physics at Yale University (1981-83) and the University of Chicago (1983-87) prior to moving to UCSD. He contributed to the development of the theory of super Riemann surfaces and their applications in perturbative string theory. In 1998 he helped design the Algebraic Thinking Institute (ATI) at UCSD, an intensive summer professional development institute for high school algebra teachers.

He was co-director of ATI in 1999, 2000, and 2003. He is on the faculty of MSED, the joint Ph. D. program in Mathematics and Science Education of UCSD and SDSU. He belongs to the American Mathematical Society, Mathematical Association of America, and American Physical Society.

Rabin is a mathematical physicist specializing in supermanifolds and their applications. This includes super Riemann surfaces, the algebraic geometry of supercurves and supervarieties, and supersymmetric integrable systems.

Education

- Ph.D. Physics, Stanford University, 1981
- M.S. Physics, Stanford University, 1978
- B.S. Physics and Mathematics, University of California, Los Angeles, 1976

Awards and Distinctions

- UCSD Alumni Association Distinguished Teaching Award
- Academic Senate Award for Distinguished Teaching

