



# Stephanie Frank Singer

GRFP Recipient: 1987

*Undergraduate Institution:*  
B.A. 1985, Yale University

*Graduate Institution:*  
Ph.D. 1989, New York University

*Graduate Field of Study:*  
Mathematics

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*Current Position:*  
Entrepreneur and Writer

## RESEARCH INTERESTS //

Stephanie Frank Singer has written two books on applications of sophisticated mathematics to physicists, who like the books because they explain the mathematics in terms they understand, and show the underlying connections between mathematics and physics. Singer has also written articles on applications of music theory to performance practice.

## AWARDS/ HONORS //

- The Bunting Institute Science Scholarship (1994)
- The American Mathematical Society Centennial Research Fellowship (1998)
- The National Science Foundation Course and Curriculum Grant (2002)
- The Personal Democracy Forum Google fellowship (2010)

## POSITION PROFILE //

Stephanie Frank Singer served on the faculty at Haverford College as a mathematics professor from 1991 through 2002, during which time she created and taught courses, wrote several research papers and her first book on symmetry in physics, and earned tenure in the Department of Mathematics. In 2005, Singer finished a second book on symmetry in quantum mechanics. Singer currently owns and runs two businesses, Campaign Scientific, which provides custom data work to political organizations and small businesses, and Wise Acre Real Estate, providing education, support and research for real estate investors. Singer's professional life took a different turn when, as a concerned Philadelphia resident, she fought successfully to increase election transparency and improved access to public information. She had major success increasing voter information availability for Philadelphians, and was responsible for putting official Philadelphia election results online. This culminated in Singer's election as Philadelphia City Commissioner in November 2011, and was later selected as chair of the committee in January 2012.

