

Both my graduate and undergrad degrees were from the University of Colorado at Boulder. (BA, 1985; Ph.D., 1991)

As an undergrad, I majored in mathematics, and was short just one chemistry course for an undergrad degree in physics, plus I took every undergrad course in astronomy that was offered. I wrote a senior honors thesis on tensor analysis (using Bishop and Goldberg's book).

My Ph.D. thesis title: Wave Propagation Through Inhomogeneous Media with Applications to Solar Coronal Loops ; my degree is in mathematical physics, my advisor was (is) an astrophysicist and I studied special functions, the wave equation, spectral theory of operators, MHD (magneto-hydrodynamics) plasma physics, and the sun.

I'd love to teach courses, do research, advise theses and/or independent studies in:

- * special functions of mathematical physics
- * topics in applied mathematics
- * history of mathematics
- * mathematics education
- * working from original sources
- * women in mathematics/science

I have always been interested in philosophy, especially philosophy of science and mathematics, and my research during my sabbatical has focussed on this, particularly feminist critiques of science applied to mathematics. This includes a lot of reading in Foundations of Mathematics (Russell, Frege, Hilbert, Cantor, Robinson).