

## *Seminar in Nonlinear Systems*

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### *Computer Visualization In Mathematics*

Tuesday, April 19, 2005

4:00 pm

Morton 203

*Abstract:* We will show how techniques of computer visualization can help explain advanced mathematical ideas involving geometry and chaotic dynamical systems. We will talk about the Costa minimal surface, mathematical billiards and chaotic geodesic flow on spheres. This talk aims to be accessible to a general audience: art, math, and science students are all welcome. The computer visualization work to be shown was all done by undergraduate students at Bryn Mawr.

Refreshments provided