

The Allegheny College Mathematics Department
Presents

Guest Speaker

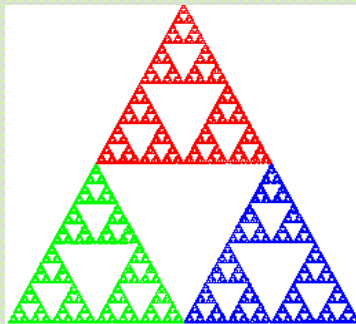
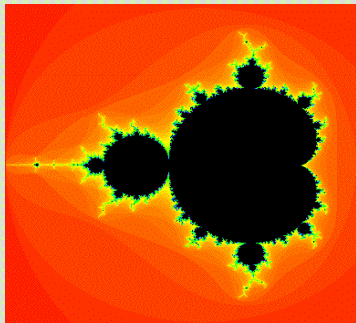
Robert Devaney

Professor of Mathematics
Boston University



Chaos Games and Fractal Images

Henderson Auditorium, Quigley Hall
Allegheny College
Tuesday, February 26th, 2008 at 4pm



Abstract: In this talk, we will describe some of the beautiful images that arise from the "Chaos Game." We will show how the simple steps of this game produce, when iterated millions of times, the intricate images known as fractals. We will describe some of the applications of this technique used in data compression, as well as in Hollywood. We will also challenge students present to "Beat the Professor" at the chaos game and maybe win his computer.

Refreshments will be available after the talk.

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