

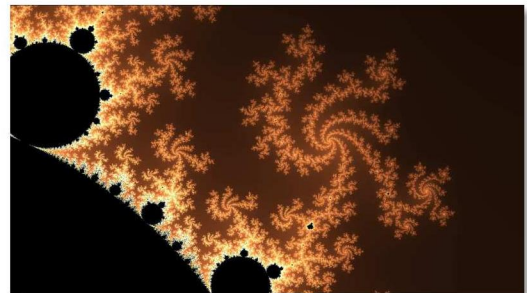


Ulam Colloquium (Rescheduled from Feb 11)

Department of Mathematics
University of Florida

Robert Devaney
Boston University
President of the MAA

The Fractal Geometry Of the Mandelbrot Set



ABSTRACT: In this lecture we describe several folk theorems concerning the Mandelbrot set. While this set is extremely complicated from a geometric point of view, we will show that, as long as you know how to add and how to count, you can understand this geometry completely. We will encounter many famous mathematical objects in the *Mandelbrot set*, like the *Farey tree* and the *Fibonacci sequence*. And we will find many soon-to-be-famous objects as well, like the *Devaney sequence*. There might even be a joke or two in the talk.

Introduced by
George Andrews
Evan Pugh Professor
of Mathematics at
Penn State
Member NAS
Past President AMS



4:05-4:55 pm
February 20, 2013
LIT 109
Refreshments follow in
LIT 339