

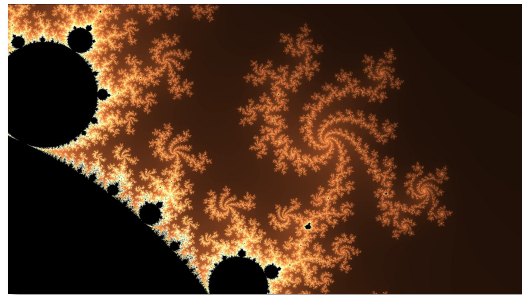


## Ulam Colloquium (Rescheduled from Feb 11)

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