**The Department of Mathematics Presents**  
**2012-2013 Class of ’42 Lecture Series**

**Chaos Games & Fractal Images**  
*with*  
**Dr. Robert Devaney**  
**Thursday, January 31, 2013**  
**3:00 – 4:30 pm**  
**Conant Building Auditorium, Room 120**  
(Refreshments to follow)

In this talk Dr. Devaney will describe some of the beautiful images that arise from the "Chaos Game". He will show how the simple steps of this game produce, when iterated millions of times, the intricate images known as fractals. He will also discuss some of the applications of this technique which are used in data compression as well as in Hollywood films. Dr. Devaney will also challenge everyone present to "Beat the Professor" at the chaos game and maybe even win his computer!

Robert L. Devaney is currently a Professor of Mathematics at Boston University and the President of the Mathematical Association of America. His main area of research is dynamical systems, primarily complex analytic dynamics, but also includes more general ideas about chaotic dynamical systems. He is the author of over one hundred research papers, a dozen pedagogical papers, as well as coauthor or editor of fourteen books in this area of mathematics. Professor Devaney is the recipient of numerous teaching awards from Boston University, MAA, NSF, Carnegie, and ICTCM. He has delivered over 1,500 talks in all 50 states in the US and in over 30 countries on 6 continents worldwide – missing only Antarctica. His audience ranges from research-level audiences to students and the general public.

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