

# ***CHAOS GAMES AND FRACTAL IMAGES***

***A Presentation by***

***ROBERT L. DEVANEY, BOSTON UNIVERSITY***



*In this lecture, 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.*

**WHERE?** Hemenway Hall 212

**WHEN?** Thursday, April 28, 2005,  
8:00 – 9:00 pm

**WHY?** To satisfy your interest in Mathematics? Your curiosity about fractals? Because you like games? Ah, because you would love to "Beat the Professor" and *maybe* win his computer!