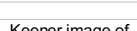# University of Florida
Ulam Colloquium 1999

Keener image of
defibrulation

The Mathematics of Sudden Cardiac Death
Professor James Keener (Univ. of Utah)

Room: Little Hall 109
Date: Monday, January 11, 1999
Time: 4:00-5:00PM
Cookies and Coffee: at 3:30 in Little Hall 339 (The Atrium)

Abstract:

Sudden cardiac death kills about 1000 people in the United States every day, and yet there is very little understanding of why this occurs, and there are essentially no reliable predictors of this event. In this talk we will describe in general mathematical terms the behavior of life-threatening cardiac arrhythmias and some implications to the formation and subsequent evolution of these patterns. We will also use mathematical reasoning to suggest a classification of antiarrhythmic drugs that may give insight into the failure of the CAST (Cardiac Arrhythmia Suppression Test) study.

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