

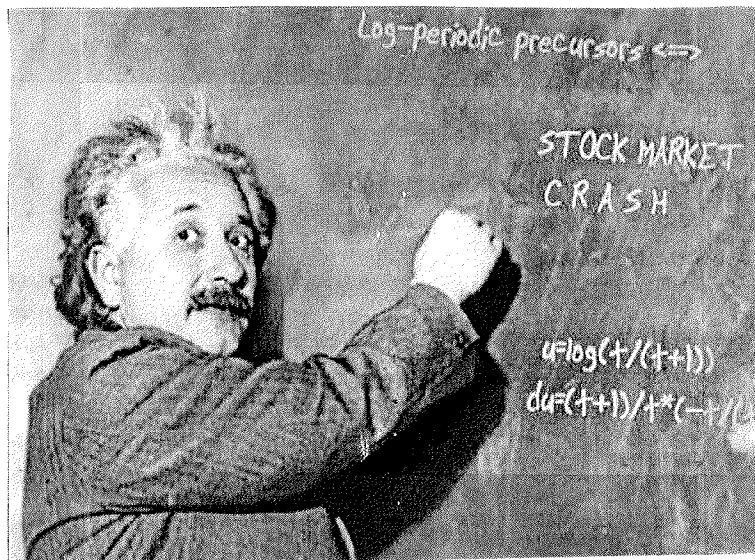


Mathematics Lecture Series, Fall 2008
CSU Fresno

DR. JAMES FEIGENBAUM

University of Pittsburgh

"Can physics explain the stock market?"



Friday, October 10, 2008 from 4 to 5:00PM
Alice Peters Auditorium (UBC)

A large number of papers have been written by physicists documenting an alleged signature of imminent financial crashes involving so-called log-periodic oscillations, which are periodic with respect to the logarithm of the time to the crash. I will describe two models that attempt to explain this phenomenon, the Johansen-Ledoit-Sornette bubble model and the Chang-Feigenbaum tension model, and discuss how these models have fared under statistical testing, both by classical and Bayesian methods.

James Feigenbaum received his PhD in Physics from the University of Chicago in 1998 and his PhD in Economics from the University of Iowa in 2003. He has several publications in physics, finance, econophysics and economics and is actively exploring the relationship between these fields. He comes to Fresno State while holding the position of visiting professor at Utah State where he is assisting in the creation of a quantitative finance program.

For further information call (559) 278-4907 or e-mail tforgacs@csufresno.edu