SPECIAL COLLOQUIUM
Department of Mathematics
San José State University

Jeffrey Scargle

NASA Ames Research Center

Analyzing Astronomical Time Series and Images

JANUARY 25, 2012, MH320

Abstract: A very effective algorithm for extracting signals from noisy time series data has come out of several CAMCOS (Math 203) projects. Various extensions of this procedure are proving very useful for time series, histogram, and image analysis of astronomical and other data. The speaker will describe the problem and work done to date on it, and then discuss possible further extensions and improvements that this semester's CAMCOS (Math 203) project might work on.

All students interested in taking Math 203 this semester should try to attend this colloquium if possible.

Background: No special mathematical background is needed to appreciate this talk, although familiarity with elementary statistics will be helpful.

About the speaker: Jeff Scargle has an undergraduate degree in astronomy from Pomona College and a Ph.D. in astrophysics from the California Institute of Technology. He is in the Space Science and Astrobiology Division of the NASA Ames research center, and a member of the Fermi Gamma Ray Space Telescope collaboration.

SNACKS IN MH331B AT 2:30 PM
TALK STARTS AT 3 PM

For more information, see our full schedule at:

http://www.math.sjsu.edu/∼hsu/colloq/