



Announcing

**Undergraduate Colloquium
February 21, 2006 at 2:20 pm
Southern Hall 304**

at The University of Southern Mississippi

Speaker: Jiu Ding

Department of Mathematics
The University of Southern Mississippi

**Title: Eigenvalues of Specially Perturbed
Matrices with an Application to the
Google Matrix**

Abstract:

Motivated by the spectral analysis of the Google matrix for the computation of the PageRank of the Google web search engine, we present a recent result on a relation of the spectra of a matrix and its special perturbation. The spectrum of the Google matrix is easily obtained as a corollary. This talk can be understood by undergraduate students who have studied elementary linear algebra.

Further Information

Refreshments are served from 2:10 pm until 2:20 pm in Southern Hall 304. Further details and information about this and other departmental activities is available online at http://www.math.usm.edu/bulletin_board/.