Announcing

A Calculus Seminar
Friday, November 9th at 2:00 pm
Southern Hall 303
at The University of Southern Mississippi

Speaker: Jiu Ding
Department of Mathematics
University of Southern Mississippi

Title: Solutions of the Yang-Baxter Matrix Equation for Projections

Abstract:

Let $A$ be a square matrix with known entries, and $X$ a square matrix with unknown entries. The matrix equation $AXA = XAX$ is called the Yang-Baxter matrix equation due to the similarity in format with the famous Yang-Baxter equation. We give all the solutions to this matrix equation for the special case where $A$ is a projection matrix, that is, $A^2 = A$.

Further Information

Further details and information about this and other departmental activities is available online at http://www.usm.edu/math.