

Meeting: 1003, Atlanta, Georgia, MAA CP N1, MAA Session on Teaching Visualization Skills

1003-N1-279 **Catherine A. Gorini*** (cgorini@mum.edu), Maharishi University of Management, Fairfield, IA 52557-1066. *Visualizing Linear Algebra with Geometer's Sketchpad: Linear Transformations, Determinants, Eigenvectors, and Eigenvalues.*

Concepts like the determinant, eigenvectors, and eigenvalues can be difficult for students in a beginning linear algebra course to understand and visualize. This talk will present a series of labs that allow students to generate and work with visual representations of linear transformations, determinants, eigenvectors and eigenvalues. (Received September 07, 2004)