1023-M5-746

Charles A Sulewski* (chuck.sulewski@us.army.mil), 646 Swift Road, USMA-MADN-MATH, Thayer Hall, West Point, NY 10996, and Frank Wattenberg (Frank.Wattenberg@usma.edu), 646 Swift Road, USMA-MADN-MATH, Thayer Hall, West Point, NY 10996. Experiments with Matrices Showing How to Transform and Animate Computer Images to New Students. Preliminary report.

Using computer graphics as a vehicle for teaching and motivating Linear Algebra applications to United States Military Academy newly assigned Cadets. Presentation will include some web based programs which gives students experience applying and developing linear transformations. The intent is to illustrate how newly assigned students transform and animate computer images while discussing possible future applications. (Received September 21, 2006)