

1077-F1-1720 **Martha Ellen Waggoner***, 701 N C Street, Indianola, IA 50125. *Discovery learning in linear algebra using dynamical geometry software.*

I have developed several Geometers Sketchpad sketches that students can use to help them understand transformations, eigenvalues, eigenvectors and a geometrical interpretation of the determinant. These dynamic sketches are used in discovery learning exercises in a computer classroom. In this talk I will demonstrate a couple of sketches, explain how they are used in the classroom and report on student feedback. (Received September 20, 2011)