

1106-G1-1338      **Chad Awtrey\*** ([cawtre@elon.edu](mailto:cawtre@elon.edu)). *Introducing Galois theory in an introductory linear algebra course.*

The goal of this talk is to describe a computational and inquiry-based activity the speaker has used to introduce linear algebra students to the symmetries of roots of polynomials with rational coefficients. Included are discussions of the following: motivating examples, detailed aspects of the activity, implementation suggestions for Mathematica, and subsequent undergraduate research projects the speaker has mentored related to the topic. (Received September 12, 2014)