

1135-E1-1666      **Jeffrey W. Clark\*** (clarkj@elon.edu). *Using Galois Theory as a Motivation for Learning About Permutation Groups.*

A number of our students have been conducting undergraduate research with one of my department members into Galois Theory. As a result an even larger number of students in our department are familiar with the notion of Galois groups permuting the roots of an irreducible polynomial. This talk will address my experiences in using Galois Theory as a motivation and source of examples for students learning about permutation groups in an introductory class on abstract algebra. (Received September 24, 2017)