1122-16-28 **Jason Gaddis*** (gaddisjd@wfu.edu), **Ellen Kirkman** (kirkman@wfu.edu) and **W. Frank Moore** (moorewf@wfu.edu). *On the discriminant of twisted tensor products.*

Automorphism groups of commutative and noncommutative algebras can be notoriously difficult to compute. The work of Ceken, Palmieri, Wang, and Zhang shows how one can approach this problem using the discriminant. In work with Ellen Kirkman and Frank Moore, we provide formulas for computing the discriminant of noncommutative algebras over central subalgebras in the case of Ore extensions and skew group extensions. The formulas follow from a more general result regarding the discriminants of certain twisted tensor products. (Received July 26, 2016)