1081-14-298 **Adam J Ginensky*** (adam.ginensky@yahoo.com). *Determinantal Equations for Secant Varieties.* Preliminary report.

Abstract. We show that if a smooth variety X is re-embedded by a sufficiently large Veronese embedding then, set theoretically, the equations of the r-th secant variety of X are just the equations defining the r-th secant variety of the Veronese embedding of original projective space and the obvious linear equations. This reduces the question of finding the equations of the secant variety of a (sufficiently amply embedded) variety to the finding of the equations of the secant variety of a Veronese embedding of a projective space. Time permitting, context and other results will be mentioned. This is joint work with J. Buczynski and J.M. Landsberg (Received February 13, 2012)