1073-14-263   **Anders Nedergaard Jensen** (`jensen@math.uni-sb.de`), University of Saarlandes, and **Josephine Yu*** (`josephine.yu@math.gatech.edu`), Georgia Tech. *Computing Tropical Resultants*

Tropical resultant varieties arise when fixing a set of supports of polynomials and asking for which set of coefficients their tropical hypersurfaces have a common intersection. These coincide with the tropicalization of sparse resultant varieties. In this talk we describe tropical resultants combinatorially and compare various methods for computing them. Some of the algorithms involve traversing subfans of secondary fans while other works by reconstruction tropical hypersurfaces from projections. (Received August 04, 2011)