1057-05-98 **Tom A. Enkosky*** (tenkosky@math.ku.edu). *Slope Varieties and Series Parallel Networks.* Preliminary report.

The slope variety of a graph G is an algebraic variety whose points are slope configurations of drawings of G in the plane. We consider the variety for the complete graph on n vertices over the field of size 2. We show that the number of points in this variety equals the number of series parallel networks with n labeled edges. (Received January 13, 2010)