

1106-VN-1177 **Mark Ginn*** (ginnmc@appstate.edu) and **Faith Miller**. *The Crossing Number of $K_{3,3,n}$* .

Given a drawing D in the plane of a graph $G = (V, E)$, the crossing number of G with respect to D , $cr_D(G)$ is the number of edge crossings in the drawing. The crossing number of G , $cr(G)$ is the minimum over all drawings D of G of $cr_D(G)$. Extensive work has been done on determining the crossing numbers of complete bipartite graphs of the form $K_{1,m,n}$ and $K_{2,m,n}$. We will explore the crossing number of $K_{3,3,n}$ and give some upper and lower bounds for this number. (Received September 11, 2014)