

1056-R5-1614 **Talitha M Washington*** (tw65@evansville.edu), Department of Mathematics, University of Evansville, 1800 Lincoln Ave, Evansville, IN 47714. *Confluent Graphs: Making Graphs Pretty.*

This presentation explores visualizations of graphs. In particular, we will discuss confluent graphs, i.e., graphs that can be represented by vertices and smooth curves such that two vertices are adjacent if there is a smooth edge between them with non-transversal intersections. We will also discuss how to incorporate this topic into classroom instruction. This is work that was done during the summer of 2009 at DIMACS as part of the Reconnect Conference. (Received September 22, 2009)