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**David E. Meel\*** (mee1@bgsu.edu), Department of Mathematics & Statistics, Bowling Green State University, Bowling Green, OH 43403. *Collaborative Concept Mapping in Calculus*.

In this talk, examples of collaborative Calculus concept maps and the individual concept maps that support them will be examined. In particular, we will look at the particular cognitive structures displayed in the concept maps and how the collaboration negotiated meaning amongst the participants. Of particular importance will be the shared understandings that were presented in the collaborative concept map that was not originally part of all the members of a group but through discussion, and sometimes argumentation, became accepted knowledge for the group. (Received September 12, 2008)