

1105-05-100

Chris Rodger* (rodgec1@auburn.edu), Department of Math and Statistics, 221 Parker Hall,
Auburn University, AL 36849-5310. *Amalgamations of Graphs and Hypergraphs.*

In this talk, recent uses of amalgamations of graphs will be described, starting with their applications to graphs, then seeing more recent use of the approach for hypergraphs. The results obtained provide both factorizations of (hyper)graphs and embeddings of edge-colored hyper(graphs). The results follow from joint work with Amin Bahmanian and Aras Erzurumluoglu. (Received September 09, 2014)