1120-05-284   **Derrick Stolee** and **Paul S Wenger*** (`pswsma@rit.edu`). *Saturation multiplicity of graphs.*
Given a graph F, a graph G is *F-saturated* if G does not contain F as a subgraph but the addition of any edge to G completes some copy of F. For an F-saturated graph G, the *F-saturation multiplicity* of G is the average number of copies of F that are completed when an edge is added to G. In this talk we present initial results on the minimum and maximum values of the saturation multiplicity of F-saturated graphs for fixed F. In particular, we will explore the maximum value of this parameter when F is a tree. (Received February 23, 2016)