

**Meeting:** 1003, Atlanta, Georgia, AMS CP 1, AMS Contributed Paper Session

1003-05-1566      **David L. Neel\*** (neeld@seattleu.edu) and **Michael Orrison**. *On computing the linear complexity of certain classes of graphs*. Preliminary report.

We present methods for computing the linear complexity of trees, complete graphs, and complete k-partite graphs. We also discuss bounds on other classes of graphs, and related algorithms for finding bounds on linear complexity. Finally we comment on whether, for fixed vertices, linear complexity is monotone with respect to the number of edges. (Received October 05, 2004)