1056-05-558 **Tao Jiang**, **Bill Kinnersley**, **Kevin G. Milans*** (milans@math.uiuc.edu) and **Douglas B. West**. *Degree Ramsey Numbers of Graphs.* Preliminary report.

A graph H *arrows* a graph G if every 2-edge-coloring of H contains a monochromatic copy of G. The *degree Ramsey number* of G is the minimum k such that some graph with maximum degree k arrows G. Burr, Erdős, and Lovász found the degree Ramsey number of stars and complete graphs. We establish the degree Ramsey number exactly for double stars and C_4, the cycle on four vertices. We prove that the degree Ramsey number of the cycle C_n is at most 108 when n is even and at most 3890 in general. We present a family of graphs in which the degree Ramsey number of G is bounded by a function of the maximum degree of G and ask which graph families have this property. This is joint work with Tao Jiang, Bill Kinnersley, and Douglas B. West. (Received September 12, 2009)