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William B. Kinnersley* (wkinner2@illinois.edu), **Kevin G. Milans** and **Douglas B. West**. *Degree Ramsey numbers of double-stars.*

We say that H *s*-arrows G when every s -edge-coloring of H contains a monochromatic G . Ramsey's Theorem implies that for every graph G , some sufficiently large complete graph s -arrows G . However, when G is sparse, perhaps some sparse graphs s -arrow G . The *s*-color degree Ramsey number of G is the minimum, over all H that s -arrow G , of $\Delta(H)$. When G is a tree, Jiang showed that the s -color degree Ramsey number of G is at most $2s(\Delta(G) - 1)$. Using Ramanujan graphs and the probabilistic method, we determine the degree Ramsey numbers of large double-stars; as a consequence, we establish the asymptotic tightness of Jiang's bound. This is joint work with Kevin G. Milans and Douglas B. West. (Received August 23, 2011)