

1079-05-394

**Dan Roberts\*** (dpr0003@auburn.edu) and **Dean Hoffman**. *Embedding star designs*. Preliminary report.

A  $k$ -star is the complete bipartite graph  $K_{1,k}$ . A  $k$ -star decomposition of  $K_n$  is a partition of the edges of  $K_n$  into  $k$ -stars. We discuss embedding a partial  $k$ -star decomposition of  $K_n$  into a  $k$ -star decomposition of  $K_{n+t}$ . (Received January 18, 2012)