

1106-05-2616

Jennifer K. Aust* (jka0006@auburn.edu). *Bounded Complete Embedding Graphs.*

A graph G is a *bounded complete embedding graph* if and only if, for some positive integer b , every G -design of order n can be embedded in a G -design of order $n + x$, for some positive integer x such that $1 \leq x \leq b$. We give some necessary conditions for a graph G to be a bounded complete embedding graph, and present some infinite classes of such graphs. (Received September 16, 2014)