

The inducibility of oriented stars

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Given a graph (or digraph) H , the *induced density* $i(H, G)$ of H in a graph (or digraph) G is the number of induced copies of H contained in G divided by $\binom{|V(G)|}{|V(H)|}$. For integers n let $i(H, n)$ be the maximum of $i(H, G)$ over all n -vertex digraphs G , and let the *inducibility* of H be $\lim_{n \rightarrow \infty} i(H, n)$. In this talk, we present some progress on the inducibility of the orientations of stars.