

# Maximal packings of the complete graph with stars

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For graphs  $G$  and  $H$ , a maximal  $G$ -packing of  $H$  is a set  $S$  of edge-disjoint subgraphs of  $H$  all isomorphic to  $G$ , such that  $S$  does not contain any subgraph  $G$ . In this talk, we discuss maximal  $S_k$ -packings of  $K_n$  and see some results on possible leave graphs.