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**Jessica McDonald\*** (mcdonald@auburn.edu). *Packing Steiner Trees.*

A classic theorem due to Nash-Williams and Tutte implies that a graph  $G$  contains  $k$  pairwise edge-disjoint spanning trees provided it is  $2k$ -edge-connected. Kriesell has conjectured a generalization of this result for Steiner trees. Given a set of  $T$  distinguished vertices in a graph  $G$ , a  $T$ -Steiner tree is a subgraph of  $G$  that is a tree and that spans  $T$ . Kriesell's Conjecture is that a connected graph  $G$  should contain  $k$  edge-disjoint  $T$ -Steiner trees provided that every edge-cut of  $G$  that separates  $T$  has size at least  $2k$ . In this talk we show that Kriesell's Conjecture holds when  $2k$  is replaced by  $5k+4$ .

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