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*Graphs with certain families of spanning trees.* (In English)

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In this paper, sufficient conditions are given in terms of  $\delta(G)$  and  $\Delta(T)$ , for a graph  $G$  with  $n$  vertices to contain a tree  $T$  with  $n$  vertices. One of these sufficient conditions is used to calculate some of the Ramsey numbers for the pair tree-star. Also necessary conditions are given, in terms of  $\delta(G)$ , for a graph  $G$  with  $n$  vertices to contain all trees with  $n$  vertices.

Classification:

05C75 Structural characterization of types of graphs

05C05 Trees

05C55 Generalized Ramsey theory

Keywords:

Ramsey numbers