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Ramsey-minimal graphs for matchings. (In English)

The theory and applications of graphs, 4th int. Conf., Kalamazoo/Mich. 1980, 159-168 (1981).

[For the entire collection see Zbl 459.00006.]

Let $F \to (G, H)$ mean that for every 2-coloring (blue and red) of F, then either there exists a red subgraph isomorphic to G or a blue subgraph isomorphic to H. Let $R(G, H)$ be the family of graphs F such that $F \to (G, H)$ and edge-minimal for this property, that is $F' \notin (G, H)$ for each proper subgraph F' of F. The authors investigate $R(G, H)$ in the special case where G a is t-matching and H a 2-matching.

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