

Variations in Ramsey Theory

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The classical Ramsey number of s and t is the order of the smallest complete graph for which every red-blue coloring of its edges results in red K_s or a blue K_t . This problem proves difficult enough, even for some small values of s and t , and many problems are open. While progress is still being made on this classical case, variations and generalizations of this Ramsey number have been introduced and have become a popular area of research. In this talk, we present some recent results and new variations on this topic.

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