学术报告

Anti-Ramsey numbers of graphs with some decomposition family sequences

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Time: 16:00-17:00, December 28 (Friday) 2018

Venue: Room 111, Center for Applied Mathematics

Abstract: For a given graph H, the anti-Ramsey number of H is the maximum number of colors in an edge-coloring of a complete graph which does not contain a rainbow copy of H. In this paper, we extend the decomposition family of graphs to the decomposition family sequence of graphs and show that K_5 is determined by its decomposition family sequence. Based on this new graph notation, we determine the anti-Ramsey numbers for new families of graphs, including the Petersen graph, vertex-disjoint union of cliques, etc., and characterize the extremal colorings.

欢迎大家参加!