

Asymptotic bounds of Ramsey Numbers

Wednesday, 28 August 2024 14:30 (1 hour)

Ramsey numbers, denoted as $R(s,t)$, are fundamental in graph theory, representing the smallest number of vertices n such that every graph on n vertices either contains a clique of size s or an independent set of size t . Recent developments in Ramsey theory have focused on finding asymptotic bounds for Ramsey numbers. In this talk, we survey asymptotic bounds of Ramsey Numbers $R(3,t)$ and $R(4,t)$, including significant contributions of Sam Mattheus and Jacques Verstraete on $R(4,t)$.

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