Some results on binding functions of P_t-free graphs

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Abstract

We use P_t to denote a path on t vertices. A graph is P_t-free if it has no P_t as an induced path. A family $\mathcal{G}$ of graphs is χ-bounded with a binding function f if $\chi(G) \leq f(\omega(G))$ for each graph $G \in \mathcal{G}$. In this talk, we will introduce some results on binding functions of P_t-free graphs for some small integer t.

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