

SCMS Seminar



ON DIVISIBILITY OF ODD HOLE FREE GRAPHS

Speaker: Baogang Xu

Nanjing Normal University

Lecture

Time: 16:00-16:50, Wednesday, Nov. 13, 2019

Venue: Room 102, Shanghai Center for Mathematical Sciences

Abstract: Let $k \geq 2$ be an integer. A graph G is k -divisible if for each induced subgraph H of G , either $E(H) = \emptyset$, or $V(H)$ admits a partition into k subsets of which each induces a subgraph with clique number less than $\omega(H)$, and is perfectly divisible if for each induced subgraph H of G , $V(H)$ admits a partition into two A and B of which one induces a perfect subgraph and the other induces a subgraph with clique number less than $\omega(H)$. In this talk, we will present some results on 2-divisibility and perfect divisibility of odd hole free graphs (joint work with Wei Dong and Jialei Song).