

SCMS Seminar



UNAVOIDABLE LARGE GRAPHS

Speaker: Guoli Ding

Louisiana State University

Lecture

Time: 15:00-15:50, Wednesday, Nov. 13, 2019

Venue: Room 102, Shanghai Center for Mathematical Sciences

Abstract: Ramsey Theorem says that every sufficiently large graph must contain either a large clique or a large independent set. In this talk we discuss similar results for graphs of various connectivities under various containment relations. In particular we will talk about how to find all the unavoidable large 2-connected induced subgraphs.

$$k_3 = hf\left(x_{i-1} + \frac{n}{2}, y_{i-1} + \frac{k_2}{2}\right)$$
$$b_i = \frac{\sum_{j=1}^{i-1} a_{ij}x_j^{(k)} + \sum_{j=i+1}^n a_{ij}x_j^{(k)}}{x_{i+1}}$$
$$\Delta y_i = \int_{x_i}^{x_{i+1}} y' dx$$
$$\int_{x_k}^{x_{k+1}} f(x, y) dx = \int_{x_k}^{x_{k+1}} y' dx = y(x)$$
$$-\sqrt{(y_n + 0.5\tau k_1)^2 + (t_n + 0.5\tau)^2}$$