

For Favour of posting



**The Hong Kong University of Science and Technology**

**Department of Mathematics**

**Seminar on Pure Mathematics**

**Turan type problems in Extremal  
combinatorics**

By

***Prof. Jie MA***

***University of Science and Technology of China***

**Abstract**

Extremal combinatorics studies extremal (maximal or minimal) combinatorial objects which satisfy certain properties. One of its classical problems is the Turan type problem which has been extensively studied since 1940s. It aims to understand the extremal structures with the maximum "density" in which some fixed local substructures are forbidden. In this talk, we will give a brief introduction on the historic results and then discuss some recent progress in this field, with particular focus on cycles and some related topics.

***Date: Tuesday, 20 February 2018***

***Time: 2:00p.m. - 3:00p.m.***

***Venue: Room 4475, Academic Building  
(near Lifts 25&26), HKUST***

***All are welcome!***