



The Hong Kong University of Science and Technology

Department of Mathematics

Seminar on Applied Mathematics

Recent progress on equiangular lines

by

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Abstract

A set of lines is called equiangular lines if each pair of lines forms the same angle. An interesting question on this topic is to determine the maximum size of equiangular lines in any n -dimensional Euclidean space. We will talk about recent progress on this question. Especially, we offer partial solutions for the Lemmens-Seidel conjecture which was announced in 1973. This is the joint work with Yen-Chi Roger Lin.

Date: Thursday, 9 August 2018

Time: 3:00p.m. – 4:00p.m.

**Venue: Room 3494, Academic Buildings
(Lifts 25, 26), HKUST**

All are welcome!