

# 國立陽明交通大學應用數學系

## 學術演講公告

主講人：俞韋亘 教授（中央大學 數學系）

講題：Four-points semidefinite bound for equiangular lines

時間：111 年 3 月 1 日(星期二) 下午 2:00 –3:00

地點：(光復校區) 科學一館 223 室

### Abstract

We offer an alternate version of the three-points semidefinite programming formula for spherical codes and spherical  $s$ -distance sets. The alternative formulas would be simpler when applying on spherical  $s$ -distance sets. Furthermore, we use the four-points semidefinite programming method symbolically to sharpen the upper bounds on the cardinality of equiangular lines in  $R^d$ . Our results improve the bounds for infinitely many dimensions  $d$  with prescribed angles.

敬請公告    歡迎參加

應用數學系 啟