

國立陽明交通大學應用數學系 學術演講公告

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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 \mathbb{R}^d . Our results improve the bounds for infinitely many dimensions d with prescribed angles.

敬請公告 歡迎參加

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