# 國立中正大學數學系
# 暨應用數學碩士班、統計科學碩士班
# 學　術　演　講

# The even subalgebra of $U(\mathfrak{sl}_2)$ and the Terwilliger algebras of halved cubes


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## Abstract

In this talk, I will give a brief introduction to the Terwilliger algebras of $Q$-polynomial distance-regular graphs. Subsequently, I will present my newest work with my Ph.D. student Chia-Yi Wen on the even subalgebra of $U(\mathfrak{sl}_2)$ and its connection to the Terwilliger algebras of halved cubes. If we still have time, I will display my own result on the Clebsch–Gordan rule for $U(\mathfrak{sl}_2)$ and the Terwilliger algebras of Hamming graphs.


日　期:111年12月15日(星期四) 16:10~17:00

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