

國立陽明交通大學應用數學系 學術演講公告

主講人：陳志瑋 教授 (國立中央大學數學系)

講 題： Classification of irreducible representations of Lie
superalgebras

時 間：111 年 5 月 10 日(星期二) 下午 2:00 –3:00

地 點：(光復校區) 科學一館 223 室

Abstract

The Lie superalgebras \mathfrak{g} are generalizations of Lie algebras to include \mathbb{Z}_2 -gradations $\mathfrak{g}=\mathfrak{g}_0+\mathfrak{g}_1$. They provide an important tool for physicists in the study of supersymmetries. In this talk, we will begin with classical results in the representation theory. We will survey the state of the classification problem of irreducible representations for complex Lie algebras and superalgebras. We explain the connection between irreducible representations of \mathfrak{g} and irreducible representations of the underlying Lie algebra \mathfrak{g}_0 .

敬請公告 歡迎參加

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