

國立中山大學應用數學系

學術演講

講者：廖軒毅 教授 (清華大學)

講題：Graphs in deformation quantization

時間：2024/11/6 (Wednesday) 16:10~17:00

地點：理 SC 4009-1 教室

茶會：15:45

Abstract

Deformation quantization is a mathematical framework that formulates the process of quantizing a classical mechanical system into a quantum mechanical one. In this framework, a classical mechanical system is described by a Poisson bivector, while a quantum mechanical system is characterized by a "star product," which is a formal deformation of the multiplication of smooth functions. In this talk, I will introduce Kontsevich's graphical construction of star products and the underlying mathematical structures.

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