
Student Geometry Seminar

國立清華大學數學系 學生幾何研討會

講題 Graphs in deformation quantization

講者 廖軒毅

時間 2022.05.13 (Fri) 10:00 – 11:00

地點 online (<https://nthu-meeting.webex.com/join/hyliao>)

Abstract

Deformation quantization is a mathematical formulation of the general idea of quantization of a classical mechanical system to a quantum mechanical system. In this formulation, a classical mechanical system is characterized by a Poisson bivector, and 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 explain how Kontsevich applied graphs to the construction of star products.

備註：

前十分鐘會用來說明研討會的運作方式