

# 國立清華大學數學系學術演講

## NTHU MATH Colloquium

講題 Integrations of products of Bessel functions as periods

講者 余正道教授 (台灣大學數學系)

時間 2020.03.23 (Mon.) 16:00 – 17:00

地點 Room 101, General Building III

茶會 15:30, R707

### Abstract

In algebraic geometry, the period conjecture of Kontsevich and Zagier predicts that all relations between certain complex numbers, called periods, should all come from simple calculus rules, resulted from geometry. We take certain improper integrals of products of Bessel functions as concrete examples of periods and explain the geometry behind such integrals.