

國立清華大學分析研討會
NTHU Seminar on Analysis
Thursday, November 20, 2025

Title Verification of the Measure in Integral Representations
 of the Gaussian Unitary Ensemble

Speaker Tang-Chien Tang (唐當謙 · NYCU)

Time 2025.11.20 (Thu.) 14:00-15:30

Venue Room 631, 6F, General Building III

Abstract

The power series formed by the fluctuation moments of a random matrix is known as the second-order Cauchy transform, which serves as an analogue of the Cauchy transform. In this talk, I will present a direct verification of the measure that underlies the integral representation of the second-order Cauchy transform of the Gaussian Unitary Ensemble (GUE).

Organizer: Hao-Wei Huang (NTHU)

Sponsor: Department of Mathematics, NTHU