

國立清華大學分析研討會
NTHU Seminar on Analysis
Thursday, October 30, 2025

Title Integral Representation and Second-Order Moment
 Analysis of the Gaussian Unitary Ensemble

Speaker Tang-Chien Tang (唐當謙 · NYCU)

Time 2025.10.30 (Thu.) 14:00-15:30

Venue Room 631, 6F, General Building III

Abstract

This talk presents the measure in the integral representation of the Gaussian Unitary Ensemble (GUE) and explains its derivation. We compute the second-order moment of the GUE and compare it with the first-order moment to reveal the ensemble's symmetry and variance structure.

Organizers: Hao-Wei Huang (NTHU)

Sponsor: Department of Mathematics, NTHU