

國立清華大學分析研討會  
NTHU Seminar on Analysis  
Thursday, October 2, 2025

Title Analytic functions and measures in free probability (II)  
Speaker Chin-Yen Lee (李金彥, 清華大學)  
Time 2025.10.02 (Thu.) 14:00-15:30  
Venue Room 631, 6F, General Building III

### Abstract

In this talk, we focus on the the reciprocal Cauchy transform. In particular, we establish the construction of its inverse and demonstrate its role in defining the Voiculescu transform. This perspective provides a direct analytic connection between probability measures and their free convolution.

Organizers: Hao-Wei Huang (NTHU)

Sponsor: Department of Mathematics, NTHU