國立清華大學分析研討會
NTHU Seminar on Analysis
Thursday, October 9, 2025

Title	Multiplication of free random variables and the S-transform: the case of vanishing mean
Speaker	Felix Uhl (吳斐力, 清華大學)
Time	2025.10.09 (Thu.) 14:00-15:30
Venue	Room 631, 6F, General Building III

Abstract

We extend Voiculescu's S-transform based analytical machinery for free multiplicative convolution to the case where the mean of the probability measures vanishes. We show that with the right interpretation of the S-transform in the case of vanishing mean, the usual formula makes perfectly good sense.

Organizers: Hao-Wei Huang (NTHU)

Sponsor: Department of Mathematics, NTHU