THE UNIVERSITY  OF HONG KONG

Institute of Mathematical Research
Department of Mathematics

Student Number Theory Seminar on Endoscopy

Whittaker Models and Self-Twists for SL(2)

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Abstract

Continuing our study of the restriction from GL(2) to SL(2), I will first complete the multiplicity-one argument from last time. We will then investigate how the Whittaker models of an irreducible representation of SL(2) are related to its stabilizer under conjugation by GL(2). Finally, we will introduce the notion of self-twists and explain how they determine the number of irreducible constituents in the restriction. The discussion follows Corollary 2.7 and Lemma 2.8 of Labesse–Langlands' *L-indistinguishability for SL(2)*.

Date:	November 17, 2026 (Tuesday)
Time:	9:00 am – 10:00 am
Venue:	Room 309, Run Run Shaw Building HKU

All are welcome