学習院大学

数学科談話会のお知らせ

【対面形式で開催します】

日時：2025 年 7 月 16 日 水曜日

17:10 - 18:10

（この後 TEA-TIME があります）

場所：学習院大学 南 3 号館 2 階 202 号室

http://www.math.gakushuin.ac.jp/

17:10 - 18:10

講演者： Ju-Feng Wu 氏

講演題目： Arithmetic and p-adic Aspects of Automorphic Forms

講演要旨：Modular forms—or more generally, automorphic forms—are essential objects in number theory. They are certain analytic functions that satisfy deep symmetry properties and encode rich arithmetic information. A powerful strategy to extract such arithmetic information is via p-adic methods. In this talk, I will begin by motivating the study of p-adic automorphic forms through the lens of Fermat's Last Theorem, which connects the world of elliptic curves and modular forms. I will then introduce key developments in the theory of p-adic modular forms, and describe my recent joint work with H. Diao and G. Rosso. I will conclude by discussing some future directions.

18:10 - 18:40
   TEA TIME