ABELIAN TYPE IGUSA STACKS AND APPLICATIONS

Speaker: Mingjia Zhang

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Time：Tuesday, Dec. 30th, 2025, 16:00-17:00

Venue：Room 446, Shanghai Center for Mathematical Sciences

Abstract：

Given a Shimura data, Scholze conjectures there to exist certain geometric objects (Igusa stacks), whose geometry is closely related to the Shimura varieties. I will present joint work in progress with Daniels, van Hoften and Kim on this conjecture for abelian type Shimura data. This has several applications, in particular, to showing that the construction of the local Langlands correspondence by Fargues-Scholze is compatible with more classical constructions, by Arthur, Mok and others.