

**ARTHUR'S CONJECTURES FOR SYMPLECTIC AND
ORTHOGONAL SIMILITUDE GROUPS**

Speaker: Bin Xu
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Time: Thu, Nov. 25, 15:00-16:00

Venue: Tencent Meeting: 934 375 419 Password: 123456

Abstract: Arthur (1989) conjectured that the discrete spectrum of automorphic representations of a connected reductive group over a number field can be decomposed into A-packets, in terms of which he also conjectured a multiplicity formula. In this talk I will give an introduction to these conjectures and report on the progress for symplectic and orthogonal similitude groups based on the works of Arthur and Mœglin for classical groups.