

Seminar

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Zelevinsky classification of irreducible unramified representations of the metaplectic group

Wednesday, December 17, 2014

at 10:00 h

ESI, Schrödinger Lecture Hall

Abstract: Since irreducible unramified representations of the metaplectic group are important for the theory of automorphic forms and theta correspondance, their detailed classification, analogous to the case of linear groups, is provided. More precisely, it is shown that every irreducible unramified representation of the metaplectic group over a p -adic field, where p is not 2, is fully parabolically induced representation from unramified characters of general linear groups and a negative unramified representation of a smaller metaplectic group. These are described in terms of parabolic induction from unitary unramified characters of general linear groups and irreducible strongly negative unramified representation of a smaller metaplectic group, which are classified in terms of Jordan blocks. Main tools are parabolic induction and Jacquet modules.

J. Schwermer

December 15, 2014