

## On the Functoriality Principle of Langlands

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Talk 1 : On automorphic Langlands group

Abstract : We shall introduce a certain topological group closely related with the hypothetical Langlands group  $L_K$  of a global field  $K$  and which is compatible with the Arthur's construction of  $L_K$ .

Talk 2 : A review of  $L$ -groups,  $L$ -parameters, and automorphic representations

Abstract : The aim of this talk is to review  $L$ -groups and automorphic representations, as well as recall the definition of automorphic  $L$ -functions.

Talk 3 : Reciprocity and functoriality principles

Abstract : The aim is to review the reciprocity and the functoriality principles in detail within the framework of Talk 1.