

Langlands parameters and Tate local duality

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I will review Langlands' parametrization of complex characters for tori over local fields, using the L-group and the basic results of Tate on local duality. I will describe a modification of this theory, where the parameters take values in certain extensions of the Galois group of a splitting field by the dual group, and will use this modification to construct the L-packets of tame, discrete Langlands parameters for general reductive groups. This is a report on joint work with Mark Reeder.