



Genericity and contragredience in the local Langlands correspondence

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We prove the recent conjectures of Adams-Vogan and D. Prasad on the behavior of the local Langlands correspondence with respect to taking the contragredient of a representation. The proof holds for tempered representations of quasi-split real K-groups and quasi-split p-adic classical groups (in the sense of Arthur). We also prove a formula for the behavior of the local Langlands correspondence for these groups with respect to changes of the Whittaker data.

Comments: Minor changes to the introduction and references to place the paper in the proper context. Corollary 4.10 added. An inaccuracy in the treatment of even orthogonal groups fixed

Subjects: **Representation Theory (math.RT)**; Number Theory (math.NT)

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