1077-22-1600   **Kumar Balasubramanian*** (`kumar@math.ou.edu`), Department of Mathematics, 601 Elm Ave, PHSC 423, Norman, OK 73019. *Self-dual representations with vectors fixed under an Iwahori subgroup.* Preliminary report.

An irreducible smooth self-dual representation of a reductive p-adic group preserves either a non-zero symmetric or a non-zero alternating form on the underlying space and accordingly is said to have sign plus one or minus one. There is strong evidence that this sign is always one in the case of representations with non-trivial Iwahori fixed vectors. We will discuss some of this evidence. (Received September 20, 2011)