This expository article reviews definitions and results on irreducible admissible representations $\pi$ of a $p$-adic group $G$ which have a nonzero linear form invariant under a subgroup $H$ fixed by an involution. Various results are known when $G$ is $GL(n, E)$ and $H$ is $GL(n, F)$, where $E$ is a quadratic extension of $F$, and for analogous pairs. The author reports on his study with D. Prasad of such $\pi$ on $G = SL(n, E)$ with $H = SL(n, F)$, and it is that $\dim_{\mathbb{C}} \text{Hom}_H(\pi, 1) \leq 1$ for odd $n$, but that the multiplicity might be bigger than 1 when $n$ is even, even when $\pi$ is cuspidal.

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Keywords: distinguished non-archimedean representations; Gelfand pairs

Classification :

* 22E50 Repres. of Lie and linear algebraic groups over local fields

11F70 Representation-theoretic methods in automorphic theory

Zbl 1079.22013

Anandavardhanan, U.K.

Distinguished non-Archimedean representation. (English)