

1147-11-371

Kwangho Cho^y* (kchoiy@siu.edu), 1245 Lincoln Dr., Carbondale, IL 62901-4408. *On multiplicity in restriction in tempered spectra for p -adic groups.*

Given a connected reductive algebraic group G over a p -adic field F and its closed subgroup H containing the derived subgroup of G , smooth complex representations of $H(F)$ are completely constructed from those of $G(F)$ by restriction. In this framework, we shall relate the multiplicity occurring in this restriction to that occurring in corresponding component groups in Langlands dual sides, under some assumptions. This unifies previous relevant results and provides a general formula of the multiplicities for tempered representations. (Received January 21, 2019)