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Sean J Rostami* (srostami@math.wisc.edu). *Fixers of stable functionals.*

The epipelagic representations of Reeder-Yu, a generalization of the "simple supercuspidals" of Gross-Reeder, are certain low-depth supercuspidal representations of reductive algebraic groups G . Given a "stable functional" f , which is a suitably 'generic' linear functional on a vector space coming from a Moy-Prasad filtration for G , one can create such a representation. It is known that the representations created in this way are compactly induced from the fixer in G of f and it is important to identify explicitly all the elements that belong to this fixer. This work is in-progress. (Received August 10, 2015)