
JACOB STOCKTON, UBC

A derived Hecke algebra

Let F be a p -adic field and G the F -rational points of a connected reductive group over F . We discuss the derived Hecke algebra $\mathrm{Ext}_G^*(\mathrm{ind}_U^G 1, \mathrm{ind}_U^G 1)$, where U is a compact open subgroup and 1 its trivial representation, which has appeared recently in the context of the mod- p local Langlands program. This talk is based in part on joint work with Karol Koziol and Rachel Ollivier.