

1173-17-170

Matt Douglass and **Yiqiang Li*** (yiqiang@buffalo.edu), 244 Mathematics Building, Buffalo, NY 14051. *Langlands reciprocity for affine q -Schur algebra associated with a reductive group.*

Langlands reciprocity for an affine Hecke algebra plays a key role in the resolution of the Deligne-Langlands conjecture. The reciprocity relates the constructible geometry on an affine flag variety on the one side and the coherent geometry on a Steinberg variety of the Langlands dual group on the other side. The extension of this reciprocity to quantum groups was done by Ginzburg-Vasserot for affine type A. In this talk, we should present a further generalization of this reciprocity. (Received September 20, 2021)