

1165-17-109

Yiqiang Li* (yiqiang@buffalo.edu), 244 Mathematics Building, Buffalo, NY 14260. *Quasi-split symmetric pairs of type A and Steinberg varieties of classical type.*

Classification of symmetric pairs can be traced back to E Cartan. Their appearance in geometric representation theory is only very recently. In this talk, I'll present a link between the representation theory of quasi-split symmetric pairs of type A and the geometry surrounding the n -step Steinberg varieties of classical type. This is a natural generalization of Ginburg's Lagrangian construction of sl_n . If time allowed, I'll discuss further a Langlands reciprocity in this setting. (Received January 14, 2021)