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Representation and Number Theory Seminar

The Small Quantum Group and Certain Affine Springer Fibers

by

Professor Pablo Boixeda Alvarez
Yale University

Abstract:

In this talk I will discuss several connections between the small quantum group and a certain affine Springer fiber. I will mainly discuss some relation of the category of graded representations of the small quantum group and microlocal sheaves on the affine Springer fiber as part of ongoing work with R. Bezrukavnikov, M. McBreen and Z. Yun. I will also mention some connection of the center of the small quantum group and the cohomology of the affine Springer fiber, part of joint work with R. Bezrukavnikov, P. Shan and E. Vasserot.

Date : 1 November 2022 (Tuesday)
Time : 9:00am - 10:00am (Hong Kong SAR)
Zoom link :
<https://cuhk.zoom.us/j/97838822137?pwd=ZTVvSC9abmNjR3RCcS9FTzJNTVhXdz09>
Meeting ID : 978 3882 2137
Passcode : sesame

All are Welcome