



Mathematics and CS Seminar

Sheaves on Stratified Spaces

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Host: Jakub Löwit

In this talk, we study constructible sheaves on spaces stratified via a G_m -action. We show how to understand the gluing data of these categories geometrically using hyperbolic localisation and the Drinfeld-Gaitsgory interpolation space. In particular, we apply this framework to flag varieties. Here, we explain how the gluing data can be understood explicitly in terms of a new multiplicative structure on open Richardson varieties, which were introduced in the work of Kazhdan-Lusztig. Lastly, we discuss applications in symplectic geometry and geometric representation theory. This is joint work with Catharina Stroppel.

Thursday, March 21, 2024 01:00pm - 03:00pm

Office Bldg West / Ground floor / Heinzel Seminar Room (I21.EG.101)



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.