Microlocalization on derived moduli spaces

by

Dr. Adeel KHAN
Academia Sinica

Abstract
The classical formalism of microlocal sheaf theory à la Kashiwara-Schapira is very useful in the study of manifolds. I will describe a generalization to the context of derived algebraic geometry, which is useful in the study of derived moduli spaces. For example, I will discuss how it gives a new perspective on topics like the virtual fundamental class, categorified Donaldson-Thomas theory, and the critical or 3d cohomological Hall algebras of Kontsevich-Soibelman. Based on forthcoming joint work with Tasuki Kinjo.

Date    : 25 October 2023 (Wednesday)
Time    : 3:00pm – 4:30pm
Venue   : Room 5566 (Lifts 27/28)

All are Welcome!