

5th ABCD-Seminar

Tuesday, July 12th, 2022, 2:00 pm

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Perverse sheaves, finite dimensional algebras and quivers

Given a topologically stratified space X and a perversity function p on it, Beilinson Bernstein and Deligne introduced the abelian category of p -perverse sheaves on X . I will show that under suitable topological conditions on X , p -perverse sheaves on X are equivalent to a category of modules over a finite dimensional algebra A and to representations of a quiver with relations. I will then show several examples of algebras which arise in this way.

This talk is based on joint work with Jon Woolf.