MODULI OF ONE-DIMENSIONAL SHEAVES ON P^2: FROM COHOMOLOGY TO ENUMERATIVE GEOMETRY

Speaker: Weite Pi
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Time: Sat, Aug. 05, 14:30-15:30

Venue: Room 102, Shanghai Center for Mathematical Sciences

Abstract:

The moduli spaces of one-dimensional sheaves on P^2 are first studied by Le Potier, and they have since been investigated intensively, for example, for their connections to moduli of Higgs bundles and BPS invariants for Calabi--Yau 3-folds. I will report some recent progress, in joint work with my collaborators, on the cohomological and enumerative aspects of this moduli space.