

A LEFSCHETZ THEOREM FOR CRYSTALLINE REPRESENTATIONS

Speaker: Jinbang Yang

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Time: Friday, May. 22th, 16:00-17:00

Venue: Room 106, SCMS

Abstract:

As a corollary of nonabelian Hodge theory, Simpson proved a strong Lefschetz theorem for complex polarized variations of Hodge structure. In this talk, I will introduce an arithmetic analog. The primary technique is p -adic nonabelian Hodge theory. This is based on joint work with Raju Krishnamoorthy and Kang Zuo.