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Seminar

Picard Groups of Spectral Varieties and Instanton Branch

by

Dr. Bin Wang
CUHK

Abstract

We calculate the Picard group of generic (very general) spectral varieties living in the total space of a very ample line bundle over an algebraically closed field k . We then calculate the generic fibers of systems of (torsion-free) Higgs pairs. In particular, if generic fibers are non-empty, combined with Bogomolov inequality, there is no instanton branch in the global nilpotent cone. This is a joint work with Xiaoyu Su.

Date	: 23 January 2024 (Tuesday)
Time	: 11:00am – 12:00noon
Venue	: Room 502a, Academic Building I

All are Welcome