Derived categories of hyper-Kähler varieties

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Time：Wed, Oct 30th, 15:30 - 16:00
Venue: Room 102, SCMS

Abstract:

In this presentation, I will discuss some results concerning the derived categories of hyper-Kähler varieties of K3^[n] type. I will elucidate Markman's theory of hyperholomorphic bundles on the product of two hyper-Kähler varieties and show how these bundles lead to twisted derived equivalences. Additionally, I will present some open problems.