

***FANO FOURFOLDS, HYPERKÄHLER VARIETIES AND
ATOMIC LAGRANGIANS***

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Time: Tue, Sep. 26th, 13:30-14:00

Venue: Room 106, Shanghai Center for Mathematical Sciences

Abstract:

Fano fourfolds and compact hyperkähler varieties are two important objects in the study of algebraic geometry. In this talk, we focus on two specific families of Fano fourfolds, cubic fourfolds and Gushel--Mukai(GM) fourfolds. Then we investigate their connection with hyperkähler varieties from the perspective of the K3 category, anti-symplectic involutions and atomic Lagrangians. Besides, we briefly recall some recent results and discuss related questions.