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HAUSDORFF RESEARCH INSTITUTE FOR MATHEMATICS

UNIVERSITÄT BONN

Algebraic geometry: derived categories, Hodge theory, and Chow groups

The program will bring together algebraic geometers working on different aspects of algebraic geometry with a focus on geometric applications to central classes of algebraic varieties. Special emphasis will be put on Hyperkähler, Calabi–Yau and Fano varieties, but the program aims at triggering new collaborations between the different directions in the title in a broad sense. Groups of early career researchers will pursue research within their group but also collaborate with the other groups.

We will have the following activities:

School: September 11–15, 2023
Organizing group: HyperK3s and special cubic fourfolds

Workshop: November 6–10, 2023
Organizing group: Derived Categories in algebraic geometry

Workshop: November 20–24, 2023
Organizing group: Birational Geometry, foliations and integrable systems

HYPERK