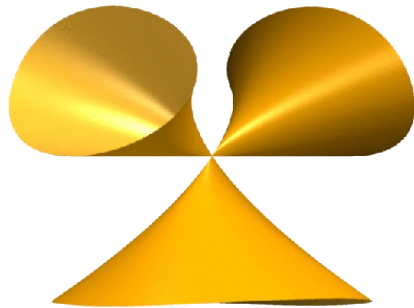


Friday 19 April 2024 at 14:15

HU Berlin, Erwin Schrödinger-Zentrum (RUD26), Room 0'110

*Tea & Cookies starting at 13:00***Christoph Sorger***(U Nantes)*

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Holomorphic symplectic geometry

Holomorphic symplectic varieties are normal complex varieties that admit a holomorphic symplectic form on their regular part and that have “reasonable” singularities. In the affine case, they tend to require large embedding codimension, which leads to classification questions in low codimension going back to Felix Klein. In the compact (and smooth) case, only a few families of irreducible holomorphic symplectic manifolds are known.

Sorger will give a gentle introduction to classification questions in the field, first for the affine, and then for the compact case. No specific knowledge of algebraic geometry will be assumed.

Christoph Sorger has been a Professor of Mathematics at the University of Nantes in France since 1999. Before that, he was a researcher at the CNRS, first at the Institut Mathématique de Jussieu, and then at the École Normale Supérieure in Paris. He was a member of the Institut Universitaire de France between 2004 and 2009.

