Oberseminar
Institut für Algebraische Geometrie

Olivier Benoist

(ENS Paris)

The tight approximation property for rationally simply connected varieties

Let B be a compact Riemann surface. A classical theorem of Royden states that any holomorphic map from an open subset of B to $\mathbb{P}^1$ can be approximated by algebraic maps for the compact-open topology. I will show that this result remains true if the target $\mathbb{P}^1$ is replaced by any rationally simply connected variety (e.g. a smooth hypersurface of degree d in $\mathbb{P}^n$ with $n \geq d^2 - 1$). This is joint work with Olivier Wittenberg.

Donnerstag, 08.05.2025, 16:30 - 17:30, F142.
Leibniz Universität Hannover
Alle Interessierten sind herzlich eingeladen.