

Categorical and analytic invariants in algebraic, symplectic and complex geometry

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Effective characterizations of semi-abelian varieties

Wednesday 5 February 2025 10:00 (1 hour)

I will show how three logarithmic plurigenera and the logarithmic irregularity are enough to characterize semi-abelian surfaces among the quasi-projective surfaces. I will also present some results for higher dimensional varieties in a very special case. This is joint work with Mendes Lopes and Pardini and a work in progress with J. Baudin.

Presenter: TIRABASSI, Sofia