

PROGRAMME THÉMATIQUE

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THEMATIC PROGRAM

“RATIONAL POINTS, RATIONAL CURVES AND ENTIRE HOLOMORPHIC CURVES ON ALGEBRAIC VARIETIES”
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Symplectic automorphisms of the varieties of lines of cubic fourfolds

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The main result is that for any polarized symplectic automorphism of the Fano variety of lines of a cubic fourfold (equipped with the Plücker polarization), the induced action on the Chow group of 0-cycles is identity, as predicted by Bloch–Beilinson conjecture. I will explain some key points of the proof which uses the technique of ‘spread’.

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