

“POINTS RATIONNELS, COURBES RATIONNELLES ET COURBES ENTIÈRES SUR LES VARIÉTÉS ALGÈBRIQUES”
3–28 JUIN, 2013

Programme thématique :
RATIONAL POINTS, RATIONAL CURVES AND ENTIRE HOLOMORPHIC CURVES ON ALGEBRAIC VARIETIES
Thematic program:
JUNE 3–28, 2013

Some recent results on zero-cycles on surfaces

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The Bloch conjecture predicts that all points on a surface with no nonzero holomorphic form are rationally equivalent. Similarly a self-correspondence of a surface without irregularity acts on 0-cycles of degree 0 modulo rational equivalence and this action is predicted to be 0 if the corresponding action on holomorphic 2-forms is 0. We will present the state of the art and discuss new results on this conjecture.

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