

Jarek Wisniewski (Warsaw) Rigidity of Mori cone for Fano manifolds

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Freie Universitaet Berlin Institut fuer Mathematik Arnimallee 3, Rm. 119

Last year, during the American Institute of Mathematics workshop on rational curves, a question was raised about rigidity of the Mori cone under deformation of Fano manifolds (question 0.7 at http://www.aimath.org/WWN/rationalcurves/rationalcurves.pdf). The answer follows easily from my (apparently un-noticed) '91 paper (Duke Math Journal 64) in which fiber-locus inequality for Fano-Mori contractions is played against Hard Lefschetz Theorem in order to prove rigidity of nef values (or thresholds). I will recall that old paper and derive some new corollaries.