



复旦大学数学科学学院 数学综合报告会

报告题目: Building blocks of amplified endomorphisms of normal projective varieties

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地点: 光华东主楼 1501

摘要: Let X be a normal projective variety over an algebraically closed field k of characteristic 0. We consider an int-amplified surjective endomorphism f of X , that is $f^*L - L = H$ for some ample Cartier divisors L and H . In this talk, we'll first give a rough characterization of X related to its singularities, canonical divisor, MRC fibration and Albanese map, etc. We'll then show that one can run the minimal model program (MMP) f -equivariantly, after replacing f by a positive power, for a mildly singular X . Some applications will also be mentioned.

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