

SBU DEPARTMENT OF MATHEMATICS &
INSTITUTE FOR MATHEMATICAL SCIENCES

Algebraic geometry seminar

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IMPA/ HSE

Automorphisms of algebraically hyperbolic manifolds

A projective manifold M is called "algebraically hyperbolic" if there exists a positive constant A such that the degree of any curve of genus g on M is bounded from above by $A(g+1)$.

It is not hard to see that Kobayashi hyperbolicity implies algebraic hyperbolicity. It is known that Kobayashi hyperbolic manifolds have finite automorphism groups. We have shown that, more generally, algebraically hyperbolic projective manifolds have finite automorphism groups. This is a joint work with Fedor Bogomolov and Ljudmila Kamenova.

Wednesday - February 06, 2019
Room Math Tower P-131 4:00 pm