

A VARIATIONAL APPROACH TO THE YAU-TIAN-DONALDSON CONJECTURE

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ABSTRACT. In this series of two talks, we will present the main ideas of a new proof of a uniform version of the Yau-Tian-Donaldson conjecture for Fano manifolds with finite automorphism group, obtained in a joint work with Robert Berman. Our proof is based on a variational argument and uses pluripotential theory and certain ideas from non-Archimedean geometry.