

1129-14-377

Gabriele Di Cerbo*, dicerbo@math.columbia.edu, and **Luca Fabrizio Di Cerbo**. *On Seshadri constants of varieties with large fundamental group.*

Let X be a smooth variety and let L be an ample line bundle over X . If the algebraic fundamental group is large, I will show that the Seshadri constant can be made arbitrarily large by passing to a finite étale cover. This result answers affirmatively a conjecture of J.-M. Hwang. Moreover, we prove an analogous result when the fundamental group is large and residually finite. If time permits, I will talk about a generalization of the same result for big and nef line bundles. (Received March 20, 2017)