ODTU-Bilkent Algebraic Geometry

Universality results for zeros of random holomorphic sections

By

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Abstract: In this talk, I will present some recent results on the asymptotic expansion of the Bergman kernel associated with sequences of singular Hermitian holomorphic line bundles (Lp,hp) over compact Kähler manifolds. As an application, I will also present several universality results regarding the equidistribution of zeros of random holomorphic sections in this geometric setup. The talk is based on the joint work with Dan Coman and George Marinescu.

Date: 25 February 2022, Friday
Time: 15:40 (GMT+3)
Place: Zoom

To request the event link, please send a message to sertoz@bilkent.edu.tr