

Seminari de Geometria Algebraica 2012/2013 (UB-UPC)

Divendres 1 de març a les 15 hs, aula 101 FME-UPC

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## Equidistribution of Galois orbits of points of small height

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Given a toric metrized line bundle on a toric variety over an number field, we give a formula for the successive minima of the associated height function. We deduce a toric version of Zhang's theorem of successive minima, comparing the quotient of the  $\chi$ -arithmetic volume and the degree with the successive minima. As a consequence, we obtain criteria for the equidistribution of the Galois orbits of points of small height in a toric variety.

This is joint work with J. I. Burgos Gil, P. Philippon, and J. Rivera-Letelier.

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