



Seminario Rubio de Francia

Conferencia

por

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Título:

Random cones

Abstract: Let U_1, \dots, U_n be independent random vectors which are uniform distributed on the unit sphere. The random hyperplanes $U_1^\perp, \dots, U_n^\perp$ dissect the space into a collection of random cones. A uniform random cone S_n from this collection is called the Schläfli random cone. In a classical paper of Cover and Efron (1967) it was proved that the expected number of k -dimensional faces of a cross section of S_n converges to the number of k -dimensional face of a cube. We investigate the question whether a similar convergence is true also for the random shape of these cross sections. This talk is based on joint work with Zakhar Kabluchko and Daniel Temesvari.

Fecha: Jueves, 25 de febrero de 2021.

Hora: 12:00 horas.

Webinar: <https://us02web.zoom.us/j/81837039815?pwd=MmY0by9GT1pTNEtrUldEcmswRC9odz09>

Web: <http://anamat.unizar.es/seminario.html>

<http://eventos.unizar.es/52859/detail/seminario-rubio-de-francia.html>