

Random points in a halfsphere

Matthias Reitzner (Universität Osnabrück)

Time **Wednesday, Sept 30, 2015 at 15:30**

Place **Campus Kirchberg, room B13**

Choose n i.i.d. points on the d -dimensional upper halfsphere and take the (spherical) convex hull of these random points. Denote by P_n the resulting random spherical polytope. As n tends to infinity, P_n converges to the halfsphere. In this talk we investigate the speed of convergence. In particular we are interested in the asymptotic behavior of the number of vertices of P_n which leads to difficult open problems.