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Monotonicity of Random Polytopes

Choose n random points independently and according to a given density function in \mathbb{R}^d . We call the convex hull P_n of these points a random polytope.

Various contributions deal with the expectation of functionals of P_n , e.g. volume, intrinsic volumes, number of faces. In this talk we will report on recent results concerning the monotonicity of the expectation of these functionals.