## Title:

Stars of Empty Simplices


#### Abstract

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Consider $n$ points in general position in Euclidean space. For a k-element subset the degree is the number of empty simplices with this $k$-set as base. The $k$-degree of the set of $n$ points is defined as the maximum degree over all k-element subset.

We investigate the degree of random point sets consisting of $n$ independently and uniformly chosen points from a compact set.


