

On randomly generated non-trivially intersecting hypergraphs

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Abstract

We propose two procedures to choose members of $\binom{[n]}{r}$ sequentially at random to form a non-trivially intersecting hypergraph. In both cases we show what is the limiting probability that if $r = c_n n^{1/3}$ with $c_n \rightarrow c$, that the process results a Hilton-Milner-type hypergraph.