

1162-05-241

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*Maximum size intersecting families of bounded minimum positive co-degree.*

Let  $\mathcal{H}$  be an  $r$ -uniform hypergraph. The *minimum positive co-degree* of  $\mathcal{H}$ , denoted  $\delta_{r-1}^+(\mathcal{H})$ , is the minimum  $k$  such that if  $S$  is an  $(r-1)$ -set contained in a hyperedge of  $\mathcal{H}$ , then  $S$  is contained in at least  $k$  distinct hyperedges of  $\mathcal{H}$ .

In this talk we determine the maximum possible size of an intersecting  $r$ -uniform  $n$ -vertex hypergraph with minimum positive co-degree  $\delta_{r-1}^+(\mathcal{H}) \geq k$  and characterize the unique hypergraph attaining this maximum, for  $n$  sufficiently large. We will also discuss motivations for this new hypergraph degree condition and its connection to existing hypergraph parameters. (Received September 02, 2020)