

COMBINATORICS
SEMINAR

*Exact Minimum Degree Thresholds for Perfect Matchings in
Uniform Hypergraphs*

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Abstract: Given positive integers k and d where $k/2 \leq d \leq k - 1$, we give a minimum d -degree condition that ensures a perfect matching in a k -uniform hypergraph. This condition is best possible and extends the work of Pikhurko, Rdl, Ruciński and Szemerdi. Our approach makes use of the absorbing method. This is a joint work with Andrew Treglown.

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