1161-05-283   **Ruth Luo*** (`ruluo@ucsd.edu`), **Zoltan Furedi** and **Sam Spiro**. *Traces of graphs in hypergraphs.*

Let F be a graph. We say a hypergraph H is a trace of F if there exists a bijection f from the edges of F to the hyperedges of H such that for all $xy \in E(F)$, $f(xy) \cap V(F) = \{x, y\}$. In this talk, we show asymptotics for the maximum number of edges in an r-uniform hypergraph that does not contain a trace of F. We also obtain better bounds in the case $F = K_{2,t}$. This is joint work with Zoltan Furedi and Sam Spiro. (Received August 18, 2020)

1