

1092-06-306

Teena Carroll* (ccarroll@ehc.edu), Emory & Henry College, Department of Mathematics,
Emory, VA 24327. *Excluding Subposets in Boolean Set Systems.*

This talk will present bounds on the largest Boolean Set system which contains no induced V , i.e. the set system contains no three distinct sets A, B, C so that $C \subseteq A \cap B$ and $A \not\subseteq B$ (Joint work with Gyula Katona). The talk will include a history of similar extremal problems including Sperner's Lemma, considering them as questions of avoiding certain structures within a set system, and discuss the difficulties in avoiding induced substructures. (Received August 12, 2013)