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He Guo* (he.guo@gatech.edu), 686 Cherry Street, School of Mathematics, Georgia Institute of Technology, Atlanta, GA 30332, and **Lutz Warnke** (warnke@math.gatech.edu). *Bounds on Ramsey Games via Alterations.*

In this talk we introduce a refined alteration approach for constructing H -free graphs: we show that removing *all* edges in H -copies of the binomial random graph does not significantly change the independence number (for suitable edge-probabilities); previous alteration approaches of Erdős and Krivelevich remove only a *subset* of these edges. We present two applications to online graph Ramsey games of recent interest, deriving new bounds for Ramsey, Paper, Scissors games and online Ramsey numbers (each time extending recent results of Fox–He–Wigderson and Conlon–Fox–Grinshpun–He). (Received January 22, 2020)