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Daniel J Hathaway* (daniel.hathaway@du.edu). *Ramsey Theory on Generalized Baire Space.*

It is well known that every Borel subset of $[\omega]^\omega$ is Ramsey. On the other hand, open (in the standard topology) subsets of $[\kappa]^\kappa$ fail to be Ramsey. We examine various weaker topologies. For example, given $\gamma < \kappa$, every clopen set in the $< \gamma$ -box topology is Ramsey. It is unknown whether clopen can be replaced by open. We consider open sets in other topologies, assuming κ is a large cardinal. (Received September 20, 2017)