

1119-37-71

Andy Zucker* (zucker.andy@gmail.com). *Ultrafilters and structural Ramsey theory.*

We will consider Ramsey objects and objects of finite Ramsey degree in a Fraïssé class \mathcal{K} . We will show that an element of \mathcal{K} is a Ramsey object if and only if a certain kind of ultrafilter exists, also providing a similar characterization of having finite Ramsey degree. Time permitting, we will discuss applications to the dynamics of the automorphism group of the Fraïssé limit. (Received February 06, 2016)