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Francis Adams* (fsadams@ufl.edu). *Ideals of Compact Anticliques in Borel Graphs.*

Given a Borel graph G on a Polish space X , we can define the σ -ideal I_G generated by the compact G -anticliques. We investigate the cardinal characteristics $non(I_G)$ and $cov(I_G)$, and in particular compare them to the bounding number \mathfrak{b} . I introduce a class of closed graphs for which it is consistent that $non(I_G) < \mathfrak{b}$. I will also develop some properties of this class of graphs and provide specific examples and non-examples. (Received September 19, 2016)