

1116-03-1720 **Francis Adams*** (fsadams@ufl.edu). *Extending Anticliques in Borel Graphs*. Preliminary report.

Following a theorem of Zapletal, I will be investigating the question of when an anticlique in a Borel graph on a Polish space can be extended to a Borel anticlique. This includes the case of extending a partial selector for a Borel equivalence relation to a Borel partial selector. This question produces a cardinal characteristic for each Borel graph, that is, the least cardinality of an anticlique that doesn't extend to a Borel one. I will look at some properties of these characteristics and compare them to more standard characteristics such as \mathfrak{p} , $\text{non}(\text{null})$, and \mathfrak{b} . (Received September 21, 2015)