1072-03-212 **Scott Schneider*** (sms252@gmail.com) and **Samuel Coskey**. *Cardinal invariant properties of countable Borel equivalence relations.*

Boykin and Jackson have shown that the bounding number, $\mathfrak{b}$, can be used to define a property of countable Borel equivalence relations that is relevant to the unions problem for hyperfinite relations. In fact, many other cardinal invariants of the continuum can be used in an analogous manner to define "Borel cardinal invariant" properties of countable Borel equivalence relations. In this talk, we introduce these new properties and describe some of the basic relationships that hold between them; in particular, we observe that the property corresponding to the splitting number $\mathfrak{s}$ is equivalent to smoothness. (Received June 28, 2011)