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Greg Hjorth* (greg.hjorth@gmail.com), University of Melbourne, Parkville, Victoria 3010, Australia. *Borel versus measure theoretic notions in the study of equivalence relations.*

I will compare Borel notions in descriptive set theory with their measure theoretic counterparts (from operator algebras, rigidity, ergodic theory) and survey some of the open problems which remain. (Received August 12, 2010)