ZOLTÁN VIDNYÁNSZKY, California Institute of Technology
Bases for Borel graphs of large chromatic number: injective case

The Kechris-Solecki-Todorcevic dichotomy states that there is a single element basis for Borel graphs with uncountable Borel chromatic number ordered by Borel homomorphisms. Recently, an analogous theorem has been found for Borel graphs with Borel chromatic number at least 3. We discuss what happens in the above cases when the Borel homomorphisms are required to be injective.