

1023-37-1750

David M McClendon*, 2218 Sherman Ave. Apt. J2, Evanston, IL 60201. *A universal model for Borel semiflows.* Preliminary report.

A “universal model” for a class of dynamical systems is one space and one action on that space such that any dynamical system in the given class is conjugate to that action (the type of conjugacy one asks for depends on the context). For example, every measure-preserving transformation on a standard Lebesgue space is measurably conjugate to a shift on the set of sequences taking values in a countable alphabet. In this talk, we describe a universal model for Borel measure-preserving semiflows, namely a shift on a space of increasing, left-continuous functions from $[0, \infty)$ to $[0, \infty)$. (Received September 26, 2006)