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Lebesgue orbit equivalence of Borel flows

A Borel flow is a Borel measurable action of the Euclidean space $\mathbb{R}^d$ on a standard Borel space. Free Borel flows are said to be Lebesgue orbit equivalent if there is a Borel bijection between the phase spaces which sends orbits onto orbits and preserves the Lebesgue measure within each orbit. We show that free non-smooth Borel flows are classified up to Lebesgue orbit equivalence by the number of ergodic invariant probability measures. This classification is in accordance with the classification of hyperfinite Borel equivalence relations by Dougherty, Jackson, and Kechris.