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Models for the space of measure-preserving systems

The group of invertible measure-preserving transformations of the unit interval contains isomorphs of every invertible measure-preserving transformation on a separable probability space. Dually, the collection of shift invariant measures on $X^{\mathbb{Z}}$ is another universal model. Are they equivalent? Are there other non-equivalent models? What does equivalence mean? Rudolph has conjectured that all models are equivalent, and work of Glasner and King supports this conjecture.

In joint work with B. Weiss, I will discuss some new models for measure-preserving transformations and ergodic measure-preserving transformations and present some general machinery for showing equivalence.