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Alex Kruckman* (kruckman@gmail.com), Department of Mathematics, UC Berkeley, Berkeley, CA 94709. *Ergodic invariant Keisler measures.*

Invariant types and Keisler measures have played an important role in many recent model-theoretic developments, especially in the realm of NIP theories. When studying invariant measures, the ergodic decomposition theorem suggests that we focus on the ergodic invariant measures. In the model-theoretic setting, these are the Keisler measures which are “type-like” in the sense that every almost invariant (invariant up to measure 0) definable set has measure 0 or 1. In an NIP theory, every ergodic measure is a type, but the space of ergodic measures is much richer in theories with the independence property. In this talk, I will suggest ergodic invariant Keisler measures as a tool for studying the dichotomy between “randomness” and forking, especially in simple and NTP2 theories, and present some results in this direction. (Received August 11, 2015)