

1129-03-489

Rehana Patel* (patel_rehana@wheatoncollege.edu), 26 E. Main Street, Norton, MA 02766. *A computable construction for exchangeable measures.*

In recent work with Ackerman and Freer, we characterize those sentences of $L_{\omega_1, \omega}$ that admit exchangeable measures. In the positive direction, our construction begins with a model of such a sentence and constructs an exchangeable measure concentrated on (countable models of) the sentence using a Morleyization of the model. In this talk we show that this construction is computable; in particular, if we start with a model whose Morleyization is computable then the resulting exchangeable measure is computable as well. (Received March 21, 2017)