1096-03-1764 **Aleksandra Kwiatkowska*** (akwiatk2@math.ucla.edu), 520 Portola Plaza, Math Sciences Building 6363, Los Angeles, CA 90095. *Uniqueness of an invariant probability measure concentrated on an orbit.*

In a recent paper Ackerman, Freer, and Patel characterize countable models for which there exists an invariant (with respect to the logic action) probability measure concentrated on its orbit. In particular, if $\mathcal{M}$ is a Fraïssé limit in a countable relational language, they show that such a measure exists if and only if the age of $\mathcal{M}$ has the strong amalgamation property.

We wish to understand when, if we have an invariant probability measure concentrated on the orbit of a countable model $\mathcal{M}$, we have a unique such measure. We show that when $\mathcal{M}$ is a Fraïssé limit such that its age has the strong amalgamation property and it satisfies an additional condition that holds, for example, when $\mathcal{M}$ has a finite language, such a measure is unique if and only if for each finite n there is exactly one model of cardinality n in the age of $\mathcal{M}$. (Received September 16, 2013)