1009-28-165 **Ethan Akin*** (ethanakin@earthlink.net), Mathematics Dept., The City College, 137 Street and Convent Avenue, New York, NY 10031. *Good Measures on Cantor Space.*

Many topologically distinct full, nonatomic probability measures occur on Cantor Space. They can be distinguished by the Clopen Values Set, i.e. the set of values on the clopen subsets, a countable, dense subset of the unit interval. For the so-called good measures this is a complete invariant. These measures are those which satisfy an apparently mild homogeneity condition and there are uncountably many of them. However, they turn out to be exactly the Jewett-Krieger measures which arise from uniquely ergodic minimal homeomorphisms on the space. (Received August 15, 2005)