

1146-60-253

**Joseph Glover\*** (jglover@aa.ufl.edu). *Problems in Raw Time Changes of Markov Chains*. Preliminary report.

Let  $X(n)$  be a time homogeneous Markov chain and let  $T(k)$  be a sequence of random times. We discuss conditions under which the raw time change  $X(T(k))$  is a time homogeneous Markov chain, even when  $T(k)$  is not a sequence of stopping times. We discuss open problems connected with these raw time changes. (Received January 24, 2019)