

Stable Adiabatic Transitions

Professor Kyle Bradford, University of Nevada

Abstract: In this talk I will introduce the basic terminology of Markov chains and discuss stability of different types of Markov chains. I will introduce a measure of stability for time-inhomogenous Markov chains called the stable adiabatic time. I will provide a simple example that calculates this measurement and I will discuss applications of the stable adiabatic time. This talk should be reasonable for undergraduates with an understanding of linear algebra.