

COLLOQUIUM

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NECKERS 156 | 3PM

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Convergence conditions for non-homogeneous
Markov chains via random walks on groups and semigroups

[ABSTRACT]

Probability on algebraic structures provides a set of techniques that can be used to analyze non-homogeneous Markov chains. This talk will discuss the correspondence between the two areas and provide examples of verifiable sufficient conditions, based only on the entries of the transition matrices, for the convergence of a class of non-homogeneous Markov chains. The talk will conclude with a discussion of some open problems in the field.