



Probability Seminar

Title: Large Deviations for Finite Alphabet Shift Spaces

Speaker: Wayne G. Sullivan (UCD)

Date: Wed 9th October 2019 at 2:00PM

Location: Seminar Room SCN 1.25

Abstract: A brief discussion of large deviations in the context of finite alphabet shift spaces is given. From the infinite coin-flip model we introduce topological pressure and entropy, equilibrium states, subshifts of finite type, entropy of a shift-invariant measure, entropy density, weak Gibbs measures and functions with bounded total oscillations. We then state a recent result by C-E Pfister and WG Sullivan about large deviations for spaces which satisfy decoupling, an extension of a concept of Ruelle.

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