

Mini-course: Vojkan Jaksic, McGill

Title: Lectures on Entropy

Abstract: In this mini-course I will review the basic notions of entropy in statistical mechanics and information theory and map the road entropy—relative entropy—Renyi relative entropy—fluctuation relations. The presentation will be mathematically elementary and will focus on the structural properties of these important notions. The course should be accessible to undergraduate students with basic exposure to limits and elementary probability.