Relative Entropy Method for Spatially Inhomogeneous Particle Systems Diego Daltro Conceição - UFBA

Abstract: The Relative Entropy Method of Varadhan-Yau is a powerful method to prove hydrodynamic limit of a large variety of particle systems. In this work we present a very detailed proof of the hydrodynamic limit of exclusion process through the Relative Entropy Method and also open problems we intend to handle via this approach.