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Title: Thermostat's in Kac's Model, and the Partially Thermostated Kac Model

Abstract: Mark Kac introduced a microscopic, N particle, stochastic model in an attempt to study the Boltzmann equation. Through a device now known as propagation of chaos, he showed that his model is connected to the simpler Kac-Boltzmann equation. In this talk I will introduce Kac's model and thermostats in the context of Kac's model, and will introduce the effect on equilibration of thermostating only a fraction of the particles in the system.