

Seminário de sistemas dinâmicos e estocásticos

Departamento de Matemática - IMECC - UNICAMP

Interacting systems of particles with many particles

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Resumo:

In this talk I will consider two sequence of zero-range processes with diverging density of particles in each site. For the first, I will to obtain the fast diffusion equation as a hydrodynamic limit result. The second, represent a discrete version of the Atlas model and we show that the equilibrium fluctuation are governed by a stochastic heat equation with Neumann boundary conditions. Joint work with Freddy Hernandez e Milton Jara.

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Local: Sala 121 do IMECC.

Consulte a programação em [www.ime.unicamp.br/ssde]