

Seminário de sistemas dinâmicos e estocásticos

IMECC - UNICAMP

Population models in a random spatial environment

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Resumo:

In joint works with Perkowski (Berlin) and Klimek (Leipzig) and an ongoing work we study the evolution of microscopic populations in a random spatial environment. Under appropriate assumptions we derive as a scaling limit of such processes a superBrownian motion in a spatial white noise environment. In the talk we will explain how the scaling limit is obtained, and we will address the longtime behaviour of the limiting processes, such as survival on finite or infinite volume.

Data: 04/12 - 11:00 (GMT-3) - Via Zoom - Meeting ID: 982 2391 3350 - Passcode: 832347

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