

V - WENLU - Workshop em Equações Diferenciais não Lineares da UFPB - Verão 2016

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Title: Quasy-steady state approximation in a slow-fast system of interacting particles.

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Abstract: In this presentation we are concern with averaging of a slow-fast system (or quasy-steady-state approximation) arising in the scaling limit of some "kinetic" equations, namely the Becker-Döring equations. The problem present similarity (in infinte dimension) to the Tikhonov & Fenichel theory for ODE system.