



北京理工大学

数学与统计学院学术报告

Global solutions to the stochastic system of four-species bi-molecular chemical reactions in space dimension 2

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摘要: The theory of quadratic systems of reaction-diffusion equations has known recent advances, in particular the emblematic system describing four-species bi-molecular chemical reactions. We introduce a stochastic perturbation of the latter, and establish the existence of global classical solutions in space-dimension 2. Joint work with Marta Leocata (LUISS, Roma).

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