



复旦大学数学科学学院 数学综合报告会

报告题目：**Well-posedness and optimal control of a nonstandard Cahn-Hilliard system with dynamic boundary condition**

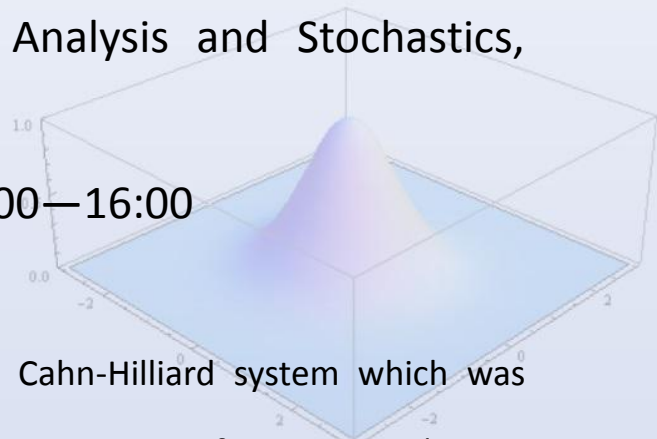
报告人：Prof. Dr. Juergen Sprekels

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报告时间：2017-04-10 星期一 15:00—16:00

报告地点：光华东主楼 1801

摘要：In this talk, we study a nonstandard Cahn-Hilliard system which was introduced by P. Podio-Guidugli as a model for the separation of two species (atoms and vacancies, say) on an atomic lattice. The resulting system is a strongly nonlinear coupled system of PDEs for the unknowns, the chemical potential and the order parameter of the system (usually the density of one of the two phases). In the past years, the system was thoroughly analyzed with regard to well-posedness, asymptotics, and optimal control for the case of zero Neumann boundary conditions. ...



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