



CMMA Monthly Seminar

第 18 回 CMMA 月例セミナー

講師：二宮 広和

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Abstract:

Pattern formation of reaction-diffusion system has been of interest for many years. Many interesting phenomena have been observed experimentally and numerically. However, it is difficult to handle the dynamics of these phenomena mathematical rigorously. To overcome this difficulty, we introduce a simple model of excitable system based on a free boundary problem. In this talk, I will explain the dynamics of solutions of this model. Especially, I will characterize the dynamics in one dimensional case. Then I will explain the existence of traveling waves in two dimensional excitable media and discuss the role of obstacles in the excitable media. One of the roles of obstacles is spontaneous spiral formation depending on the geometry of obstacle.

“Dynamics of waves in excitable media”

日時：2017年7月18日（火）16:30-17:30

場所：明治大学 中野キャンパス高層棟6階 研究セミナー室3

主催：

文部科学省 共同利用・共同研究拠点
明治大学先端数理科学インスティテュート
現象数理学研究拠点 (CMMA)



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