

# CMMA Monthly Seminar

## 第8回 CMMA 月例セミナー

### 講師：物部治徳

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Abstract :

Interfaces are appeared in various physical and biological phenomena and most of the interfaces change a shape momentarily. For instance, when the ice is melting, the shape of ice changes. Also, when cells crawl, the shape of cell membrane changes. To understand such phenomena, some partial differential equations, called free boundary and interface problems, are proposed. In this talk, I introduce some results of free boundary and interface problems related to ice melting and cell crawling etc. In particular, I mainly would like to talk about "Reaction-diffusion system approximation :A Singular limit problems of some Reaction diffusion systems" and "Existence of traveling wave solutions of free boundary and interface problems".

"Mathematical analysis for free boundary and interface problems arising from ice melting and cell crawling"

日時：2015年11月30日(月) 17:00-18:00

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  
現象数理科学研究拠点 (CMMA)



■連絡先

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