

CMMA Monthly Seminar

第9回 CMMA 月例セミナー

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Abstract:

Self-organizing orderly systems are often observed in nature. One of the fundamental mysteries in biology concerns the method by which a cluster of organisms can regulate the proportion of individuals that perform various roles as if each individual knows a whole situation, without a leader. That means a question how flexibility in resulting order system can be realized by local interaction only. In this presentation, we focus on the proportion regulation between two kinds of modes, and propose the simple model as a basis of the mechanism by a series of local interactions between individuals. Our numerical simulations with cellular automata model indicate that asymmetric interaction and discrete system are crucial to response to global situations.

“A simple model for proportion regulation in crowds”

日時：2015年12月14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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