明治大学グローバルCOEプログラム【現象数理学の形成と発展】

第4回 MEE SEMINAR

MATHEMATICAL ECOLOGY & EVOLUTION

2009年7月21日(火) 14：40～16：10

明治大学生田キャンパス第二校舎A館：A207

小田急小田原線　「生田駅」から徒歩10分
又は「向ケ丘遊園」駅北口から「明治大学正門前」行きバスで10分終点下車
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Evolution of conformist transmission in social learning

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Abstract:

One of the most unique characteristics of the human is culture, which is brought about by the ability of social learning. Social learning is a way to obtain information (behavior) from socially interacting organisms by teaching, imitation, local enhancement, and various other psychological processes. One interesting feature of social learning is the tendency of learning the majority or most common behavior, which is called conformity (conformist transmission). Conformity is thought to cause the variation of culture between communities, to result in group selection, to affect adoption dynamics, and to stabilize cooperation and punishment. In this talk, I will introduce mathematical studies of evolution of learning and show that conformity always evolves when selection is weak in the infinite environmental state model.

参加自由です。皆様のお越しをお待ちしております。

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