



Meiji University Global COE Program 41th Mathematical Sciences based on



Modeling, Analysis and Simulation seminar

Date: June 9, 2011, 16:30~18:00

Location: Meiji Univ. Ikuta Campus, Build 2 Annex A, Room A207

Ryoko Okajima (Meiji University)

Title : The Cause of Phenotypic Discontinuity: Shell Shapes of Terrestrial Gastropods

Abstract: The phenotypic distribution is often discontinuous and dispersed. As an example of such a distribution, we studied the shell shapes of terrestrial gastropods, which exhibit a bimodal distribution. In this presentation, I would like to talk about our simple model to test the hypothesis that the bimodal distribution relates to the shell balance on different substrates. Additionally, the study of geometric constraint on shell shapes is discussed.



Everyone is welcome to attend the MAS seminar.

Meiji institute for Advanced Study of Mathematical Science (<http://www.mims.meiji.ac.jp>)
(Organizers: M. Mimura, D. Ueyama, Y. Wakano, K. Ikeda and S. Kinoshita)

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Access: 10 minutes on foot from Ikuta St. Odakyu line,
Or 10 minutes by bus No. 13「明治大学正門前」, get off at the last stop.
See http://www.meiji.ac.jp/koho/campus_guide/ for details.