

ARGONNE NATIONAL LABORATORY
and
THE UNIVERSITY OF CHICAGO



JOINT THEORY INSTITUTE

Presents

“Laplacian Growth: Selection and Singularities”

Speaker:

Artem Abanov

Texas A&M University

Abstract

Laplacian growth is the simplest nontrivial growth process. It describes the growth in many different situations, from the growth of bacterial colony to the propagation of lightning to the growth of the domain of inviscid liquid inside the viscous one. It also has many connections to the integrable models, condensed matter, and matrix models.

In this talk I will present a simple introduction to the field. I will show the integrability of the problem and outline some of the open questions.

Thursday, January 10, 2008

12:15 pm

Place: GCIS E223

For any questions or inquiries, contact: Brenda Thomas at 2-7156 or
Host: Ilya Gruzberg, 4-9879.