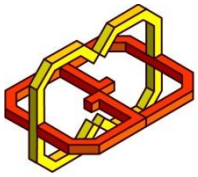

Technion-Israel Institute of Technology

Computer Science Department

Center for Graphics and Geometric Computing

CGGC Seminar

Dr. Orestis Vantzos

Computer Science Department, Technion-Israel Institute of Technology

Obstacle-Ginzburg-Landau Functionals

We will discuss a variation of the Ginzburg-Landau functional, a common tool in applications such as image segmentation (Ambrosio-Tortorelli) and phase-field methods in fluid simulation, involving a so-called "double-obstacle" barrier term (first studied by Elliott and Blowey).
We will describe fast (GPU-optimized) variational solvers for gradient flows of these functionals (Allen-Cahn and Cahn-Hilliard equivalents), and also look into certain higher-dimensional generalisations.

The lecture will be held on Monday, 29.5.2017, at 13:30, Taub 337

הזמנה זו מהווה אישור כניסה עם רכב לטכניון