

Technion-Israel Institute of Technology

Computer Science Department

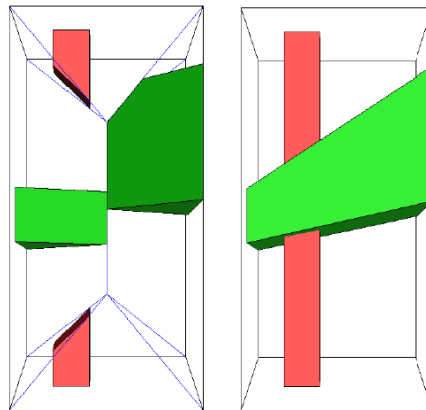
Center for Graphics and Geometric Computing

CGGC Seminar – M.Sc. Talk

Raeda Naamneh

Computer Science Department, Technion-Israel Institute of Technology

Fair Multi-Label Reconstruction from Cross-Sections



We propose an algorithm for reconstructing a multi-label object from cross-sections in a fair manner. We handle the problem in its full generality: Cross-sections need not be parallel nor complete, every section may contain an unlimited number of contours with any geometries and in any level of containment hierarchy. We focus on the simultaneous reconstruction of an object from contours with multiple labels "colors", in scenarios in which interpolating separately between contours of each color results in conflicting (intersecting) reconstructions. We suggest a flexible scheme for combing all the individual reconstructions and resolving fairly the conflicts between them.

This talk summarizes the M.Sc. research of the speaker under the supervision of Prof. Gill Barequet.

The lecture will be held on Sunday, 11.8.2013, at 13:00, Taub 337

Snacks and Beverages at 12:45

הזמנה זו מהווה אישור כניסה עם רכב לטכניון