THE FIELDS INSTITUTE

ABSTRACTS 1.2

FOR RESEARCH IN MATHEMATICAL SCIENCES

ALLEN TANNENBAUM Georgia Institute of Technology

Geometric PDE Methods in Computer Vision

In this talk, we will discuss a number of methods from geometric flows and Monge-Kantorovich theory for problems in segmentation, tracking, surface warping, and registration. Our techniques will be illustrated on a wide variety of imagery including NMR and CT.