

Project subject

Subject

Implement the λ -MST (Maximal-Segment Tangent) estimator (see the slides of the 5th lecture), and verify its multigrid convergence experimentally.

For that, you may need

- object discretization (ex. for a half-plane),
- boundary tracking,
- discrete line recognition,
- maximal segments.

The DGTal library (<http://liris.cnrs.fr/dgtal>) may help your implementation, and you can compare your results with those obtained by DGTal programs.

Project: practical info

- **Programming language:** no constraint
(if your choice is other than Java, C++, C, please notify me before starting your implementation).
- **Code and report submission deadline:** January 21, 2012
- **Grading policy:** 40% (project) + 60% (examination)
- **Evaluation environment:** Linux (This means that your program will be compiled and run with a linux environment for its evaluation.)