

Hierarchical Segmentation

Laurent Najman

FOUR-DAY COURSE

on

Mathematical Morphology in image analysis
Bangalore 19-22 October 2010



ESIEE
ENGINEERING

UNIVERSITÉ —
— PARIS-EST



The main content of this lecture contains details from the following papers:

Laurent Najman. Ultrametric watersheds: a bijection theorem for hierarchical edge-segmentation. Submitted. 2009. Note: electronic version Preprint

http://www.esiee.fr/~najman/papers/ultrametrics_long.pdf

Laurent Najman and Pierre Soille. On morphological hierarchical representations for image processing and spatial data clustering. WADGMM 2010 - Applications of Discrete Geometry and Mathematical Morphology. 2010. Note: Invited paper

<http://www.esiee.fr/~najman/papers/najman-soille2010wadgmm.pdf>

Laurent Najman and Michel Schmitt. Geodesic Saliency of Watershed Contours and Hierarchical Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence. 18 (12). December 1996. pp. 1163–1173. <http://www.laurentnajman.org/Papers/i1163.pdf>