

Advanced Image Processing - TADI

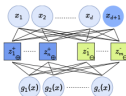
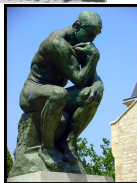
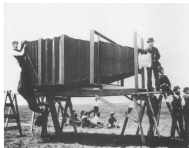
IMA and DIGIT master program

Content and course material

Information and material: <https://webia.lip6.fr/~bloch/TADI.html>
Calendar and rooms: <https://cal.ufr-info-p6.jussieu.fr/master/>
Moodle: <https://moodle-sciences-25.sorbonne-universite.fr/course/view.php?id=2911>

Course content

- Image representations:
 - Discrete: points, graphs
 - Continuous
 - Statistical
 - Multi-scale
- Theoretical bases:
 - Algebraic
 - Variational
 - Statistical
- \Rightarrow Toolbox for image processing, analysis, higher level understanding
 - with illustrations in various application domains
- \Rightarrow Combination with other methods, in particular deep learning



(Mondal et al.)

- Lectures, exercices, computer labs.
- Reports on computer labs to be delivered on the moodle (no later than one week after the lab).
- Two written exams (no document, except one recto-verso sheet of notes authorized).