

Mathematics

Linear algebra and image synthesis

IDENTIFICATION

CODE : IF-3-S1-EC-CMSI
ECTS : 3.0

HOURS

Lectures : 9.0 h
Seminars : 4.0 h
Laboratory : 20.0 h
Project : 0.0 h
Teacher-student
contact : 33.0 h
Personal work : 40.0 h
Total : 73.0 h

ASSESSMENT METHOD

TEACHING AIDS

TEACHING LANGUAGE

French

CONTACT

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CONTENT

- A. TODO : partie calcul matriciel
- B. Image synthesis
 - 1. Image synthesis pipeline
 - 2. 3D transformations
 - 3. Geometric modeling (explicit, implicit and iterative)
 - 4. Display
 - 5. Illumination models
 - 6. Procedural generation