Computational Graphics: Lecture 1

CVD Lab Team

Mon, Mar 2, 2015

Outline: Syllabus, Python

1. Syllabus
2. Exam tests & grading
3. Python - First module
4. Assignments

Syllabus

Computational Graphics 2015

- General information

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- General information
- Course notes and student home

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- Programming tools

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  - Pyton

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  - Pyton
  - pyplasm (PLaSM for Python)

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  - Javascript

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  - Pyton
  - pyplasm (PLaSM for Python)
  - Javascript
  - plasm.js (PLaSM for JavaScript)

Exam tests & grading

Tests

Four programming tests

1. Wed, Apr 8, 2014 (Cellular complexes, affine transformations, hierarchical structures)

Tests

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1. Wed, Apr 8, 2014 (Cellular complexes, affine transformations, hierarchical structures)
2. Thu, May 7, 2014 (Parametric curves and surfaces, splines, solid modeling)

Tests

Four programming tests

1. Wed, Apr 8, 2014 (Cellular complexes, affine transformations, hierarchical structures)
2. Thu, May 7, 2014 (Parametric curves and surfaces, splines, solid modeling)
3. Wed, Jun 3, 2014 (Viewing, projection, shading, animation)

Exam requirements

Two patterns:

1. Class Tests or Homeworks (≤ 15)

Exam requirements

Two patterns:

1. Class Tests or Homeworks (≤ 15)
2. Oral exam (1 question) (≤ 5)

Exam requirements

Two patterns:

1. Class Tests or Homeworks (≤ 15)
2. Oral exam (1 question) (≤ 5)
3. Project (≤ 12) + bonus (showcase: $<= 3$)

Exam requirements

Two patterns:

1. Class Tests or Homeworks (≤ 15)
2. Oral exam (1 question) (≤ 5)
3. Project (≤ 12) + bonus (showcase: $<= 3$)

Exam requirements

Two patterns:

1. Class Tests or Homeworks (≤ 15)
2. Oral exam (1 question) (≤ 5)
3. Project (≤ 12) + bonus (showcase: $<= 3$)

or

1. Written exam (≤ 10)

Exam requirements

Two patterns:

1. Class Tests or Homeworks (≤ 15)
2. Oral exam (1 question) (≤ 5)
3. Project (≤ 12) + bonus (showcase: $<= 3$)

or

1. Written exam (≤ 10)
2. Oral exam (3-4 questions) (≤ 10)

Exam requirements

Two patterns:

1. Class Tests or Homeworks (≤ 15)
2. Oral exam (1 question) (≤ 5)
3. Project (≤ 12) + bonus (showcase: $<= 3$)

or

1. Written exam (≤ 10)
2. Oral exam (3-4 questions) (≤ 10)
3. Project (≤ 12)

Python - First module

Assignments

Enrole to the course !!

To: Alberto Paoluzzi <apaoluzzi@gmail.com>
Cc:
Bcc:
Reply To:
Subject: [grafica computazionale] iscrizione al corso 2014
From: Alberto Paoluzzi <apaoluzzi@me.com> iCloud (iCloud)

```
Cognome Nome
primo anno laurea magistrale  (oppure: secondo ...)
ingegneria informatica (oppure: altro)
matricola: xxxxxx
email: account@provider
informatica biomedica: SI  (oppure: NO)
interessato a tesi di laurea: SI  (oppure: NO)
```

Install pyplasm

- Install Python (if needed)
- Install Scipy
- Install pyopengl
- Install pyplasm
- Bring your laptop to class

In this order ...

References

Course syllabus

Pro Git book