

CPSC 314

Computer Graphics

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Lecture 8: Review 1

NOTICE:

Recordings of the lecture are provided to students enrolled in the course for self-study only.
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Preliminaries

- Reminders
 - Assignment 1 handin due 11:59PM 26th
 - Quiz 1 on Friday 28th
 - online, but synchronous with class
 - Dinesh's office hour: Wednesdays 4:30-5:30pm (on Zoom)

Quiz 1 Preparation

- **Goal:** understand the material covered in class so far (this forms the foundation for the rest of the course)
- **CAREFULLY** review ALL lectures before the quiz (including the review lecture).
- Textbook. Read all of these, except as noted. But use class notation
 - Ch 1
 - Ch 2: skip section 2.5
 - Ch 3
 - Ch. 4 (very short chapter, on “Respect”)
 - Ch. 5: skip 5.4 but use the in-class description of scene graph
- In notepack “Getting Started” review upto (including) Section 1.8
- Quiz 1 will not have questions specifically about Assignment 1. **However, there will be general questions about GLSL and Three.js.** Doing and understanding the assignment will reinforce these concepts.



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Quiz 1 mechanics

- Synchronous, during the class time, but ONLINE, on Canvas
- You **MUST** be present on Zoom with a video camera on at all times during the quiz. (Zoom link will be posted on Canvas)
 - Be prepared to show your ID to TA in a private breakout room
- Closed book, no Internet searches or communication
 - The quiz will have many small questions. Enough time to answer from memory. Searching for answers will waste your time (and isn't allowed) so don't try.
 - Be prepared to share your full screen at any time during the quiz. Close all other applications.
- Instructor and TAs will be available on Zoom to clarify questions



Exam Invigilation

- We will divide the class into 3 Groups based on student numbers.
- Each group has its own Zoom link. Join your Group's Zoom and leave video on throughout exam.
 - Details will be posted by tomorrow on Piazza and Canvas
- TAs will monitor the Zoom, and periodically invite you to a private breakout room
 - to check ID
 - view your screen if needed

How to ask questions on Zoom

- Note: we can only answer questions to clarify whether there is a typo or ambiguity in a question.
 - We will not confirm whether your answer or interpretation is correct
 - If you feel some specific assumption is required, please state that in the answer
- The questions and answers are randomized. So you can't ask about "Question 2(b)" since that will be different for different students. Instead, cut and paste the question text in the chat window.

Quiz 1 guidelines

- Exam is for 50 minutes
- Budget 45 minutes for doing the quiz (One minute per mark)
- 3 Types of Question (Part A,B,C), each approx. 15 marks each part.
 - Part A: T/F questions
 - Part B: “Recognition” Fill in the blanks (with multiple choice).
 - Part C: “Computing” Solve a small problem, and select the correct answer. Usually involving 2D frames, transformations, etc. as we have been doing in class.
- We’ll provide sample questions but not a full quiz

Today

- Review Lectures and answer questions

Example of type C

- What is the first column of the transformation from frame \tilde{a} to \tilde{w} ?

