

Computer Graphics

An Overview

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Welcome to
the World of Computer Graphics

Course Objectives

- Fundamental course
- You will know:
 - Fundamental problems addressed by CG
 - Basic principles and methods
 - Basic programming skills for developing CG systems.
 - To cultivate the habit and ability to solve problem on one's own legs



勿在浮沙筑高台



Course Objectives

- While the course is NOT a graphics programming tutorial
- The assignments and active participation in projects will ensure that you acquire very good graphics programming skills using OpenGL.

What its not about?

Photoshop, AutoCAD, Maya, Renderman

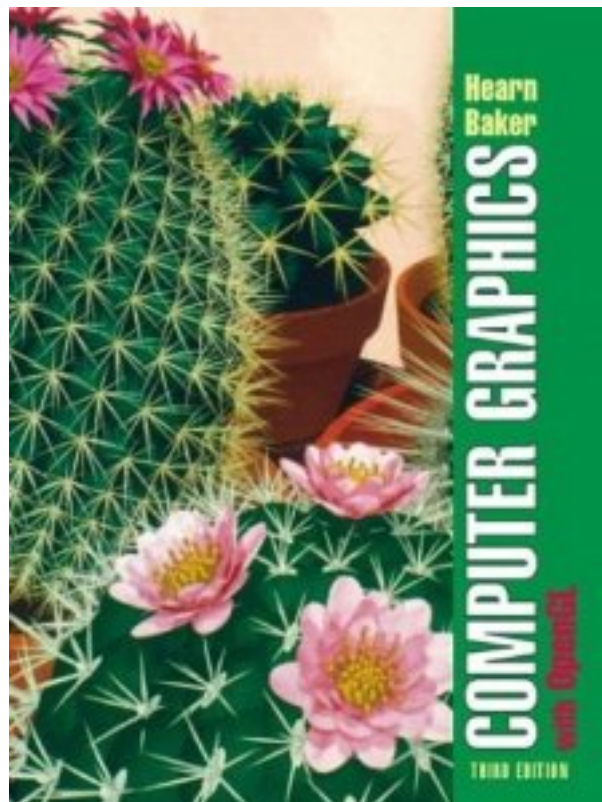


Course Text

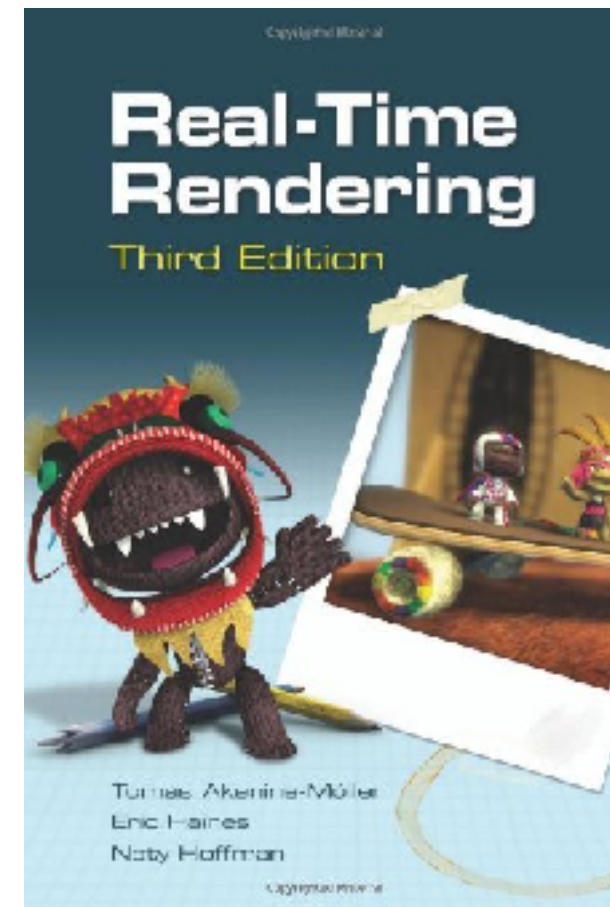
- **Computer Graphics with OpenGL, Third Edition D. Hearn, M. P. Baker** (电子工业出版社, 中文版)
- **Fundamentals of Computer Graphics, Peter Shirley, Steve Marschner, A K Peters**
- **计算机图形学——原理、方法及应用, 潘云鹤, 董金祥, 陈德人, 2003**
- **OpenGL Programming Guide, Fourth Edition, Addison-Wesley, 2003, (OpenGL编程指南, 人民邮电出版社)**
- **OpenGL Distilled, Paul Martz, Addison-Wesley, Addison-Wesley Professional; IST edition (OpenGL 2.0精髓, 人民邮电出版社)**
- **<http://nehe.gamedev.net> - The NeHe tutorials**



Textbooks



Computer Graphics with
OpenGL (4th Edition)



Real-Time Rendering,
Third Edition



Course Faculty Details

- Instructors:
 - 张宏鑫 zhx@cad.zju.edu.cn
 - 童若锋 trf@zju.edu.cn
 - 吴鸿智
- TA:
 - 刘丽艳（博士生），刘嘉信（硕士生）
 - email: graphicszju@163.com
- Office: 紫金港蒙民伟楼517室
- Tel: 13958011790
- TA hours: 玉泉 Wednesday, 9:00-10:00AM



Evaluation

- 30% : Lab assignments
- 40% : Course Project
- 30% : In-class performance
 - in-class quiz and homework
 - attendance
 - question-answer



Course Website

- 百度云盘
 - TBD
 - Download courseware
 - Upload homework
 - Name format: NAME_ID_number.rar (or .zip)
 - Example: 许星_30801006**_2.rar
- WEB
 - <http://give.zju.edu.cn/cgcourse>
 - <http://www.cad.zju.edu.cn/home/zhx/CG/2018>
 - <https://github.com/hongxin/CGCourse-2018>



More ...

- <https://graphics.stanford.edu/wikis/cs148-10-fall>



Pat Hanrahan



Homework today

- Send an e-mail containing to TA (刘丽艳)
 - include your name, ID, e-mail address
 - one of your frontal face photo
 - wechat number
 - not necessary, but recommended, to build a WeChat group
 - even a brief greeting to TA
- It's A0

