

# 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



# 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

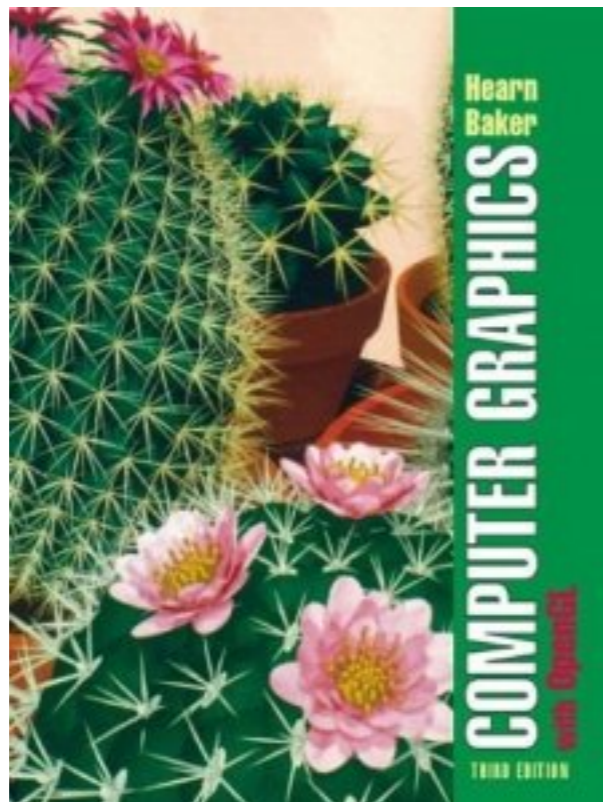


# Course Text

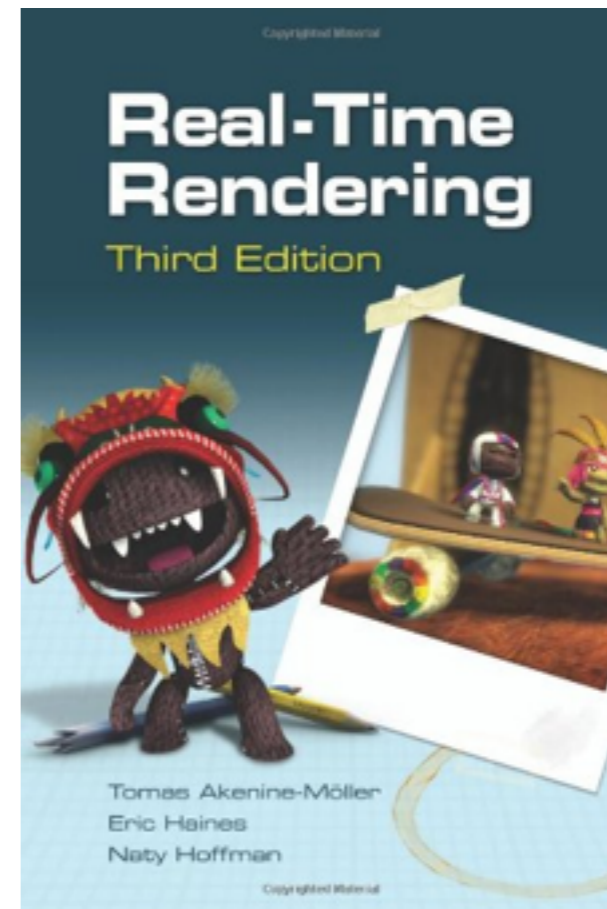
- **Computer Graphics with OpenGL, Third Edition D. Hearn, M. P. Baker** (电子工业出版社, 中文版)
- **Fundamentals of Computer Graphics, Peter Shirley, Steve Marschner, A K Peters**
- **计算机图形学——原理、方法及应用, 潘云鹤, 董金祥, 陈德人, 2003**
- **OpenGL Programming Guide, Fourth Edition, Addison-Wesley, 2003, (OpenGL编程指南, 人民邮电出版社)**
- **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 (3rd Edition)



Real-Time Rendering,  
Third Edition



# Course Faculty Details

- Instructor:
  - 张宏鑫 zhx@cad.zju.edu.cn
  - 唐敏 tang\_m@zju.edu.cn
  - 童若锋 trf@zju.edu.cn
- TA:
  - 汪洋 (微信: wysoviet)
- Office: 紫金港蒙民伟楼517室
- Tel: 13958011790
- TA hours:
  - 玉泉 Monday, 1:00-2:00PM





# Evaluation

- 30% : Assignments
- 40% : Final Examination (or Course Project)
- 30% : In-class performance
  - in-class quiz, attendance, question-answer





# Course Website

- 百度云盘
  - zjucgcourse@126.com
  - 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/2014>



# More ...

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



Pat Hanrahan



# Homework today

- Send an e-mail containing to TA (汪洋, wysoviet@qq.com)
- include your name, ID, e-mail address
- wechat number ( not necessary, but recommended),
- even a brief greeting to TA
- It's A0

