A Brief History of Computer Graphics



Mike Bailey

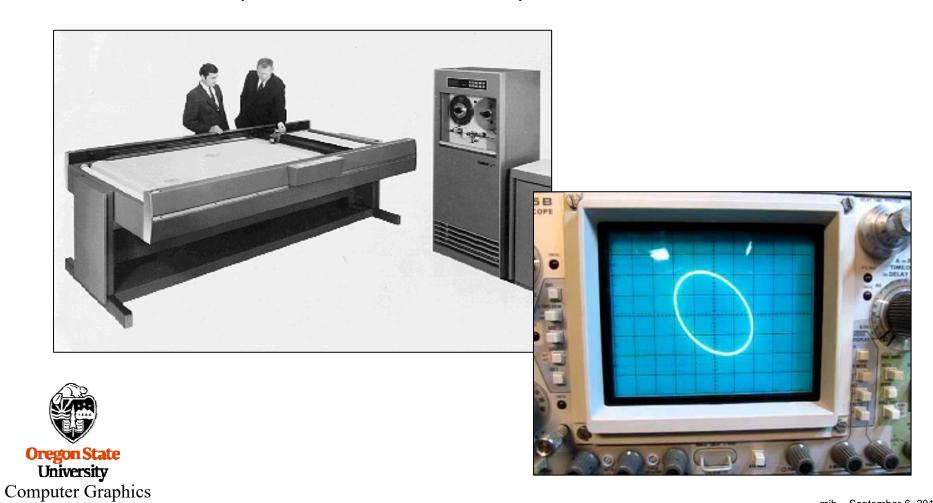


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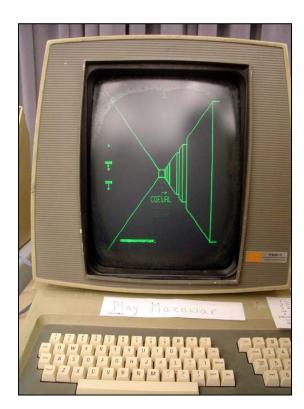
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- Pen Plotters
- Computer-controlled oscilloscopes



- Vector displays
- Interaction
- Ivan Sutherland's SketchPad project







Direct View Storage Tubes (Oregon's own Tektronix!)

Color raster displays (CRTs)

Hardware-accelerated vector displays

Commercial production companies emerge

SIGGRAPH conferences (started in 1974)

Star Wars Episode IV

Computer Graphics



Dynamic color raster displays

Flight simulators

• Silicon Graphics, Inc. (SGI)

Pixar

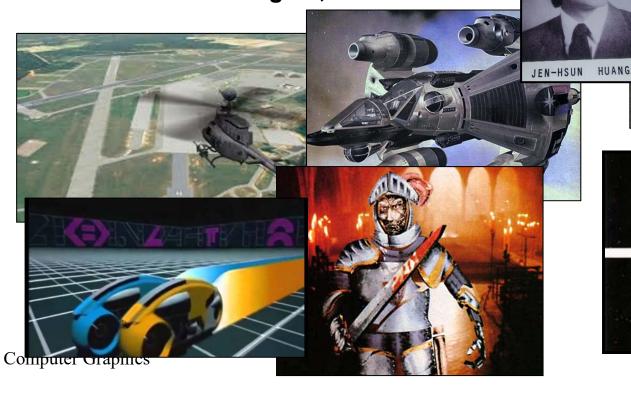
Scientific visualization

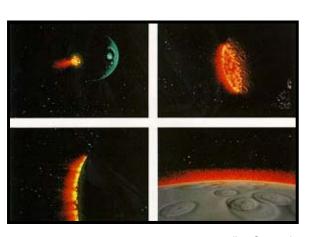
• Luxo Jr., Tin Toy

The Last Starfighter, TRON, Star Trek II: The Wrath

of Khan, Young Sherlock Holmes, The Abyss

Jen-Hsun Huang graduates from Oregon State with a BSEE degree,1984





- Texture-mapping in hardware
- OpenGL

Computer Graphics

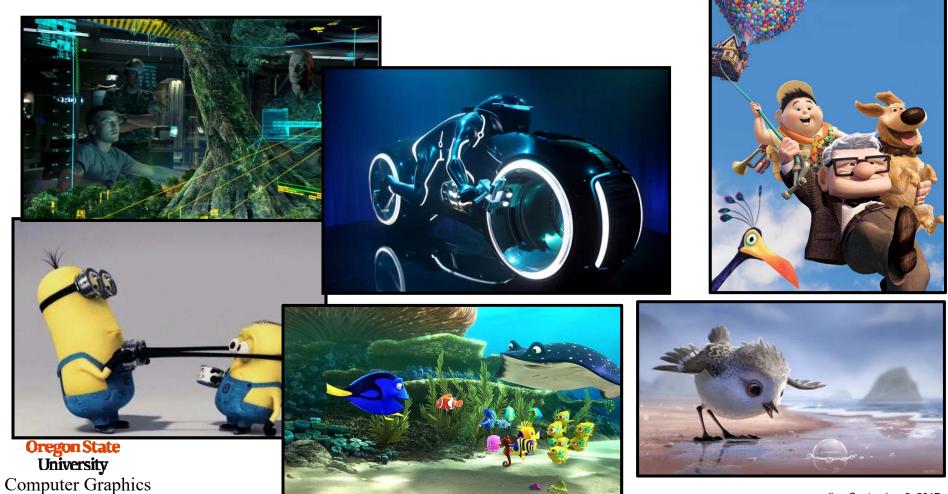
- PC graphics cards
- Terminator 2, Jurassic Park, Toy Story, Star Wars Episode 1





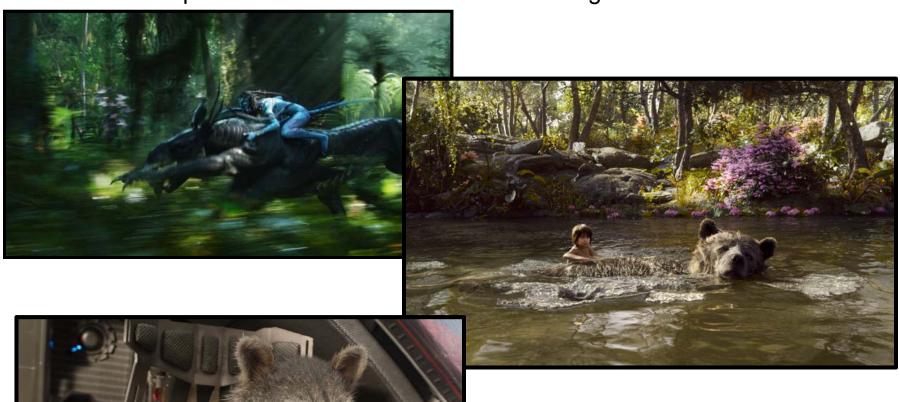


- Shaders
- OpenGL-ES (Embedded Systems, i.e., intended for underpowered hardware)



mjb – September 6, 2017

• So much a part of movies that we don't even recognize it



Computer Graphics

Where Are We Now?

- Ongoing OpenGL-ES merger with OpenGL desktop
- Mobile platforms
- 3D movies
- Virtual and Augmented Reality
- Vulkan

