Video Editing

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March 3, 2010

This was going to be about Blender…

But then, reality…

Blender is very good at 3D graphics and animation

See:

- Blender Open Movie Projects:
  - Completed:
    - Elephants Dream: http://www.elephantsdream.org
    - Big Buck Bunny: http://www.bigbuckbunny.org
  - In Progress:
    - Sintel: http://durian.blender.org
- Commercial projects
  - Completed
    - Plumiferos: http://www.plumiferos.com/

Blender is pretty good at compositing

See:

- Student Films
  - Hangar No. 5:
    http://www.blendernation.com/hangar-no5-movie-and-making-of/

Blender is not very good at video editing.

Yet.

Blender is Open-Source.

Places to Learn about Blender Development

- Blender developers' homepage: http://www.blender.org/development/

- Blender Foundation Committers Listserve: http://lists.blender.org/pipermail/bf-committers/

- Community Builds: http://www.graphicall.org

- Blender IRC: irc.freenode.net, #blender and #blendercoders

Primary Languages:

- Blender Core is C.
- Blender API is Python.
- Blender uses the FFMPEG library for video I/O.

This is not the place to start learning programming.

If you know how to code, feel free to chip in.

Okay, so we can't use Blender (yet).

Free (as in Speech) Video Editors:

- Linux:
  - PiTiVi: http://www.pitivi.org
  - Kino: http://www.kino.org
  - Cinelerra/Lumierra: http://www.heroinewarrior.com/cinelerra.php
- Most of these do not have Windows/Mac ports.

Try Linux!

- LiveCDs **do not** install anything on your computer!
  - Dyne::Bolic
    - http://dynebolic.org/
  - AVLinux
    - http://www.bandshed.net/AVLinux.html

Commercial Options

- Mac OS
  - Apple Final Cut Express
    - 90% of the features, $60 (Student).
  - Apple Final Cut Pro
    - Multi-Camera Editing, Pro-Quality Compression, Soundtrack, etc. $400 (Student).
- Windows
  - Adobe Premiere Pro
    - Comparable to FCP; available in some CS4 Bundles ($500 for students)
  - Pinnacle Studio
    - Meh, but Cheap

Free (as in Beer) Options

- Windows
  - Windows Movie Maker / Movie Maker Live!

- Mac OS
  - iMovie 6 HD
    - (more traditional interface)
    - http://en.kioskea.net/telecharger/telecharger-1238-imovie-hd (used to be free on Apple's site, but now...)
  - iMovie 7/8
    - (novel interface; comes with all new Macs)

Today's Demo is iMovie

Most Video Editing Software Uses Similar Concepts.

Video Editing Tasks:

- Import Media (video, audio, images, titles)
- Place media on Timeline
- Trim Clips
- Export Finished Video

Simple, Right?

Getting Content

- Capture from your cell-phone, video camera, iSight
- Save off the Web
  - KeepVid
  - Creative Commons Search
  - (convert with something like WinFF http://www.winpenpack.com/main/download.php?view.1093)
- Add Music/Sound