LiVES – LiVES is a Video Editing System
Because the media should be Open – Because
the media should be Free !

- real time performance of video and audio

- non linear editing of video and audio

- using built-in GUI or over a network using OSC

- four years in development, 1.0 release coming very soon !!

- runs on 32 bit and 64 bit systems, multiple O/S (Linux, BSD, IRIX, OSX version possible)

- versions for most distros: - ubuntu, debian, gentoo, suse, fc

http://lives.sourceforge.net

Inputs:

- almost any video format (anything that can be played by mplayer), whole video or partial
- single images or directories of images
- firewire input for dv and hdv
- grab clips from DVD or VCD
- stream input (yuv4mpeg) or URL
- LiVES backup format
- audio: wav, mp3, ogg vorbis, mod
- import clip sets and projects
- capture desktop windows (audio coming soon...)

Internal format

Internal format is image sequence (jpeg or png) and raw pcm audio (8 bit or 16 bit, signed/unsigned), plus an xml-like header file

This allows for frame accurate editing and playback.

Clips could also be imported from/exported to other applications

Clip editor

- Allows cut and paste of frames within and between clips
- Trim, rotate and resize
- Resample from any frame rate to any other
- Resample audio, trim/pad audio, delete audio
- Change audio and/or video rate
- Apply rendered effects and realtime effects

Real time manipulation

- Switching of clips
- Speed adjustment, reverse playback, looping modes
- Audio can follow rate/clip switches
- Effects, transitions and generators
- Mapping of realtime effects to keys, setting defaults
- Record frame changes, effects and clip switches

Multitrack Window

- Limitless number of video tracks
- Currently only 1 audio track, but eventually more
- Apply effects, transitions and compostiors
- Rapid rendering
- Layouts can be saved or loaded
- Warnings before touching affected frames (configurable)

Output formats

- Encoding : over 50 formats including mpeg1/2, ogg theora, x264, xvid, flash, animated gif, mng, even pdf ! Encode whole clip or just part, with or without audio. Can be expanded through plugins.
- LiVES will suggest best frame size, frame rate and audio settings.
- Export project (clips and layouts)
- Backup single clip
- Stream output
- Export audio
- Save single frame

Extras

Support for upcoming standards (Weed/Livido), (Videojack)

Full crash recovery

Jack audio and jack transport support

Effect builder tool

Translations to 7 languages:
English, French, Czech, German, Dutch, Japanese, Portuguese, fully localisable

Themable

Future plans

- More intelligent encoders (e.g. With quality settings, encode direct to DVD/VCD)
- Support for all types of webcam (via videojack)
- Multiple audio tracks in multitrack
- Support for subtitles
- Support for Livido and FreeFrame (via Weed wrapper)
- Rendered generators (render to clipboard)
- OSD
- OpenGL output
- More effects & transitions, timeline plugins
- Optimisations (background rendering, faster file opening for some formats). Make common tasks easier.
- Multi head support
- Midi input control