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From dso/aix/dso.c:

- * Based on libdl (dlfcn.c/dlfcn.h) which is
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From strings/apr_strnatcmp.c, include/apr_strings.h:

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From strings/apr_snprintf.c:

- *
* cvt - IEEE floating point formatting routines.
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'zlib' general purpose compression library

version 1.2.3, July 18th, 2005

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1.6 curl 7.63.0

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```
// EnumString - A utility to provide stringizing support for C++ enums
// Author: Francis Xavier Joseph Pulikotil
//
```

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1.8 expat 2.2.5

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```
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```
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```

```
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1.10 fcgi 2.4.0

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1.11 FFmpeg 4.1.1

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- libpostproc
- optional x86 optimization in the files
 - ``libavcodec/x86/flac_dsp_gpl.asm``
 - ``libavcodec/x86/idct_mmx.c``

- `libavfilter/x86/vf_removegrain.asm`
- the following building and testing tools
 - `compat/solaris/make_sunver.pl`
 - `doc/t2h.pm`
 - `doc/txi2pod.pl`
 - `libswresample/swresample-test.c`
 - `tests/checkasm/*`
 - `tests/tiny_ssim.c`
- the following filters in libavfilter:
 - `vf_blackframe.c`
 - `vf_boxblur.c`
 - `vf_colormatrix.c`
 - `vf_cover_rect.c`
 - `vf_cropdetect.c`
 - `vf_delogo.c`
 - `vf_eq.c`
 - `vf_find_rect.c`
 - `vf_fspp.c`
 - `vf_geq.c`
 - `vf_histeq.c`
 - `vf_hqdn3d.c`
 - `vf_interlace.c`
 - `vf_kerndeint.c`
 - `vf_mcdeint.c`
 - `vf_mpdecimate.c`
 - `vf_owdenoise.c`
 - `vf_perspective.c`
 - `vf_phase.c`
 - `vf_pp.c`
 - `vf_pp7.c`
 - `vf_pullup.c`
 - `vf_repeatfields.c`
 - `vf_sab.c`
 - `vf_smartblur.c`
 - `vf_spp.c`
 - `vf_stereo3d.c`
 - `vf_super2xsai.c`
 - `vf_tinterlace.c`
 - `vf_uspp.c`
 - `vsrc_mptestsrc.c`

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- * The files ``libavcodec/jfdctfst.c``, ``libavcodec/jfdctint_template.c`` and ``libavcodec/jrevdct.c`` are taken from libjpeg, see the top of the files for licensing details. Specifically note that you must credit the IJG in the documentation accompanying your program if you only distribute executables. You must also indicate any changes including additions and deletions to those three files in the documentation.
- * ``tests/reference.pnm`` is under the expat license.

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Compatible libraries

The following libraries are under GPL:

- frei0r
- libcdio
- librubberband
- libvidstab
- libx264
- libx265
- libxavs
- libxvid

When combining them with FFmpeg, FFmpeg needs to be licensed as GPL as well by passing ``--enable-gpl`` to configure.

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Incompatible libraries

There are certain libraries you can combine with FFmpeg whose licenses are not compatible with the GPL and/or the LGPL. If you wish to enable these libraries, even in circumstances that their license may be incompatible, pass ``--enable-nonfree`` to configure. But note that if you enable any of these libraries the resulting binary will be under a complex license mix that is more restrictive than the LGPL and that may result in additional obligations. It is possible that these restrictions cause the resulting binary to be unredistributable.

The Fraunhofer FDK AAC and OpenSSL libraries are under licenses which are incompatible with the GPLv2 and v3. To the best of our knowledge, they are compatible with the LGPL.

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1.12 gd 2.0.35

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1.13 libdes 3.23

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1.15 lighttpd 1.4.51

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## 1.21 pcre 8.42

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THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel  
Email local part: ph10  
Email domain: cam.ac.uk

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