

## Comprehensive Documentation of LAL

/lal

**/doc**

master documentation  
directory

**lsd.tex, lsd.pdf**

LAL Software Documentaion (lsd): automatically  
assembled from package documentation.)

**/autodoc**

Directory where all the extracted files are stored.

**/laldoc**

Directory where the auto-documentation source code  
and executable are stored.

**/packages**

**/tdfilter**

**/include**

**IIRFilter.h**

**/include**

**/window**

**ZPGFilter.h**

**/lib**

**/stochastic**

**/src**

**CreateIIRFilter.c**

**Makefile.am**

**/fft**

**DestroyIIRFilter.c**

**Makefile**

**/...**

**IIRFilter.c**

**configure\***

**CreateZPGFilter.c**

**INSTALL**

Contains instructions for  
installing the LAL

**DestroyZPGFilter.c**

...

**/test**

**IIRFilterTest.c**

**IIRFilterTest\***

This is an executable that should  
exhaustively test all the exceptions  
listed in IIRFilter.h.

**/doc**

**tdfilters.tex**

This file contains the LaTeX source that  
makes up the documentation for this  
package. It contains many `\input{ }` commands  
to incorporate the extracted code fragments.  
The name must be taken from the package.  
The contents are input into `main.tex` to make the  
local documentation for this package. They are  
input into `lsd.tex` to make the comprehensive  
document. File is soft-linked to `autodoc` directory.

**main.tex**

This file is essentially the same in all packages;  
it is a LaTeX document file with an `\input{ }` to  
put in the source (in this case `tdfilters.tex`).

**main.pdf**

This pdf file is the stand-alone documentation  
for this package.

Contents of a “Typical” package submitted to the LAL  
by an LSC member. (Not all files shown.)