

Building FFTW

- 3.1.2
 - redhat5-i686-64bit
 - leopard-i386-32bit

3.1.2

These are instructions for building FFTW 3.1.2 for the various OSes supported.

redhat5-i686-64bit

These instructions should be performed as the glastrm user on a machine running redhat 5 in 64 bit mode (noric15 as of this writing).

1. Download FFTW 3.1.2 from <ftp://ftp.fftw.org/pub/fftw/old/fftw-3.1.2.tar.gz> and save it to /afs/slac/g/glast/ground/GLAST_EXT/leopard-i386-32bit/fftw if it doesn't exist
2. Change directory to /afs/slac/g/glast/ground/GLAST_EXT/redhat5-x86_64-64bit/fftw
3. Unzip and Untar the file fftw-3.1.2.tar.gz
4. Change directory to fftw-3.1.2
5. Execute ./configure --prefix=/afs/slac/g/glast/ground/GLAST_EXT/redhat5-x86_64-64bit/fftw/3.1.2/gcc41 --enable-shared
6. Execute make
7. Execute make install
8. Execute mkdir ../3.1.2/gcc41/include/fftw
9. Execute mv ../3.1.2/gcc41/include/*.h ../3.1.2/gcc40/include/fftw/
10. Leave and erase the fftw-3.1.2 directory

leopard-i386-32bit

These instructions should be performed as the glastrm user on a machine running leopard (bldmac02 as of this writing).

1. Download FFTW 3.1.2 from <ftp://ftp.fftw.org/pub/fftw/old/fftw-3.1.2.tar.gz> and save it to /afs/slac/g/glast/ground/GLAST_EXT/leopard-i386-32bit/fftw if it doesn't exist
2. Change directory to /afs/slac/g/glast/ground/GLAST_EXT/leopard-i386-32bit/fftw
3. Unzip and Untar the file fftw-3.1.2.tar.gz
4. Change directory to fftw-3.1.2
5. Make sure fink isn't in \$PATH (/sw/bin)
6. Execute ./configure --prefix=/afs/slac/g/glast/ground/GLAST_EXT/leopard-i386-32bit/fftw/3.1.2/gcc40 --enable-shared
7. Execute make
8. Execute make install
9. Execute mkdir ../3.1.2/gcc40/include/fftw
10. Execute mv ../3.1.2/gcc40/include/*.h ../3.1.2/gcc40/include/fftw/
11. Execute install_name_tool -id libfftw3.3.dylib ../3.1.2/gcc40/lib/libfftw3.3.1.2.dylib
12. Leave and erase the fftw-3.1.2 directory