

## Building ImageMagick with FFT support

Written by Administrator  
Monday, 25 July 2011 15:32 -

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I recently needed the [fft](#) functionality available with ImageMagick but the command `convert image.png -fft` failed. Turns out you need to build ImageMagick against the [FFTW](#) library, but its not terribly easy to figure out how to do this. The advanced unix compilation for ImageMagick page doesn't describe specifically how to do this. The `fPIC` and `fft` flags described below are very important to get this to build correctly

Here's a quick outline of how to build ImageMagick to use the `fft` functions:

1) Download the FFTW source code

a) unzip the `fftw3` source, `cd` into the `fftw3` source directory

b) `./configure CXXFLAGS=-fPIC CFLAGS=-fPIC`

c) `make`

d) `sudo make install`

2) Download the ImageMagick source

a) unzip the ImageMagick source and `cd` into the source directory

b) `./configure --enable-hdri -with-fftw`

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c) make

d) sudo make install

Then convert image.png -fft should work!

