



SciPDL version for PDL 2.017

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Welcome to SciPDL! SciPDL is a drag and drop installer for PDL on the Mac. SciPDL now includes it's own version of perl in order to work across multiple versions of Mac OS X and a variety of environments (note previous versions used the system perl which led to instability between OS updates).

SciPDL is a 'kitchen sink' type installer, you get everything you need in one bug bundle to start PDL work. If you prefer a more *à la carte* approach we suggest you build PDL yourself or use a package management system.

Everything in SciPDL lives within the folder:

 Applications >  PDL

Installation

Open the **.dmg** file and drag the 'PDL' folder to your Applications folder.

IMPORTANT: the XQuartz X11 server is also needed for graphics.
Download from www.xquartz.org

SciPDL v3 has been tested works on Mac OsX 10.9, 10.10, 10.11. It may also work on earlier versions of MacOS X.

Running SciPDL

From the Finder (apps in PDL folder):

The app:



`pdl [home]` will launch a Terminal window in your home folder with PDL running.

The app:



`pdl [here]` will run PDL in the current Finder window folder. For this to work drag the app in to your Finder toolbar (right click on the tool bar and select '*Customise toolbar*')

From the UNIX command line:

If you are a bash user:

```
source /Applications/PDL/setup_bash # This can go in  
your .bashrc startup file  
pdl
```

If you are a csh user:

```
source /Applications/PDL/setup_csh # This can go in  
your .cshrc startup file  
pdl
```

Alternatively simply run

```
/Applications/PDL/go_pdl
```

What SciPDL contains

SciPDL contains:

PDL 2.017 and its perl module dependencies.
perl 5.22.1

Other perl modules:

ExtUtils::F77 1.19
Astro::FITS::Header 3.07
Astro::FITS::CFITSIO 1.10
PGPLOT 2.21
PDL::FFTW3 0.04
Term::ReadLine::Gnu 1.25

Other support libraries (modified to live within /Applications/PDL/...):

pgplot 5.3.1
libpng 1.2.8
zlib 1.2.3
fftw 3.3.4
cfitsio 3.370
gsl 1.16
readline 5.1

If you wish to see updates please email me.

The graphics library pgplot is installed in /Applications/PDL/pgplot,
libraries are in /Applications/PDL/lib and executables are in /
Applications/PDL/bin.