PAn - Projection Analyzer

http://code.google.com/p/projection-analyzer/

Instructions for Downloading and Installing PAn in Windows Platform

STEP 1: C Compiler

Download and install a C compiler for Windows. MinGW (Minimalist GNU for Windows) 32-bit compiler has been used in our testing. It is available for free on:

- 32-bits: http://sourceforge.net/projects/mingw/files/
- 64-bits: http://sourceforge.net/projects/mingw-w64/files/

After installing, add to environment variable "path" the way of compiler, in our case:

```
C:\MinGW\bin
```

STEP 2: Make

Download and install "*Make for Windows*", available for free on:

http://gnuwin32.sourceforge.net/packages/make.htm

Then add to environment variable "path" the way of "make.exe" file, in our case:

```
C:\Program Files (x86)\GnuWin32\bin
```

STEP 3: GNU Scientific Library

Copy GSL 1.15 – win32 dlls and its dependences (eight all told) into `lib\bin` ProjectionAnalyzer's folder (available for download from our website) or, if you prefer download and compile from GSL's website, available for free on the web:

http://www.gnu.org/s/gsl/

STEP 4: PAn compilation

Rename the file `Makefile.windows` to `Makefile` (on ProjectionAnalyzer's root folder) and execute the command:

```
make
```

STEP 5: Python Plot-Projection

5.1) Download and install Python 2.7 for Windows 32-bit, available on:

- http://www.python.org/getit/

5.2) Download and install Numpy for Python 2.7, available on:

- http://www.lfd.uci.edu/~gohlke/pythonlibs/ or
- http://sourceforge.net/projects/numpy/files/NumPy/1.6.1/

5.3) Download and install Matplotlib for Python 2.7, available on:

- http://sourceforge.net/projects/matplotlib/files/matplotlib/matplotlib-1.1.0/ or
- http://www.lfd.uci.edu/~gohlke/pythonlibs/

5.4) Add to environment variable “path” the way of Python interpreter, in our case:

```
C:\python27
```

Notes:

1) All programs indicated above are also available for downloading from our website:

- `c-compiler-win32.zip`
- `py-interpreter-win32.zip`

2) Win-32 compilation allows execution in Windows OS 32/64-bit.

3) For compiling as 64-bit it is necessary to download all compatible packages (64-bit) and follow the same steps indicated above.