

MacPorts, Go, SuiteSparse and Gosl

- (1) Install Xcode.
- (2) Type `xcode-select --install` in a terminal and click install to install the command line developer tools.
- (3) Download and install MacPorts from <https://www.macports.org/install.php>
- (4) Type `sudo port selfupdate` in a terminal to update the list of available packages.
- (5) Type `sudo port install lapack cmake` to install LAPACK and cmake (Yes: it's a bit slow, especially the llvm package).
- (6) Download SuiteSparse from <http://faculty.cse.tamu.edu/davis/suitesparse.html> and extract the files into `/Users/name/pkg/SuiteSparse`
- (7) Type in a terminal:

```
cd /Users/name/pkg/SuiteSparse
make
make install
sudo mkdir -p /usr/local/lib
sudo cp lib/*.dylib /usr/local/lib
sudo mkdir -p /usr/local/include/suitesparse
sudo cp include/*.h /usr/local/include/
```
- (8) Install Go (golang) for Mac OS X from <https://golang.org>
- (9) Edit `/Users/name/.profile` and add:

```
export GOPATH=/Users/name/mygo
export PYTHONPATH=$PYTHONPATH:$GOPATH/src/github.com/cpmech/gosl/scripts
```
- (10) Close the terminal.
- (11) Type in a terminal:

```
cd mygo
mkdir -p src/github.com/cpmech.com
cd src/github.com/cpmech/
git clone https://github.com/cpmech/gosl.git
cd gosl
./all.bash
```