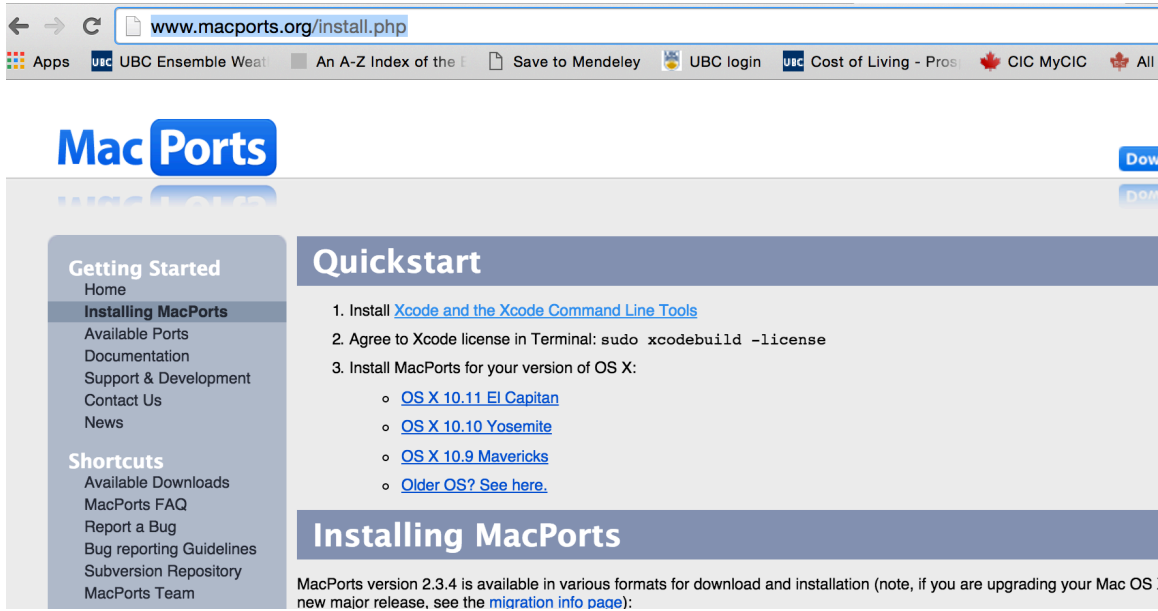


Installation of macports gcc and gfortran

1. go to the link <http://www.macports.org/install.php>



The screenshot shows a web browser window with the address bar displaying www.macports.org/install.php. The browser's toolbar includes various icons and links such as 'Apps', 'UBC Ensemble Weat', 'An A-Z Index of the E', 'Save to Mendeley', 'UBC login', 'Cost of Living - Pros', 'CIC MyCIC', and 'All'. The website header features the 'MacPorts' logo and a 'Download' button. The main content area is divided into three sections: 'Getting Started' on the left, 'Quickstart' in the center, and 'Installing MacPorts' at the bottom. The 'Getting Started' section includes links for 'Home', 'Installing MacPorts', 'Available Ports', 'Documentation', 'Support & Development', 'Contact Us', and 'News'. The 'Quickstart' section lists three steps: 1. Install [Xcode and the Xcode Command Line Tools](#), 2. Agree to Xcode license in Terminal: `sudo xcodebuild -license`, and 3. Install MacPorts for your version of OS X, with sub-links for [OS X 10.11 El Capitan](#), [OS X 10.10 Yosemite](#), [OS X 10.9 Mavericks](#), and [Older OS? See here.](#). The 'Installing MacPorts' section states that MacPorts version 2.3.4 is available in various formats for download and installation, and notes that if upgrading from a new major release, users should see the [migration info page](#).

MacPorts

Getting Started

- Home
- Installing MacPorts**
- Available Ports
- Documentation
- Support & Development
- Contact Us
- News

Shortcuts

- Available Downloads
- MacPorts FAQ
- Report a Bug
- Bug reporting Guidelines
- Subversion Repository
- MacPorts Team

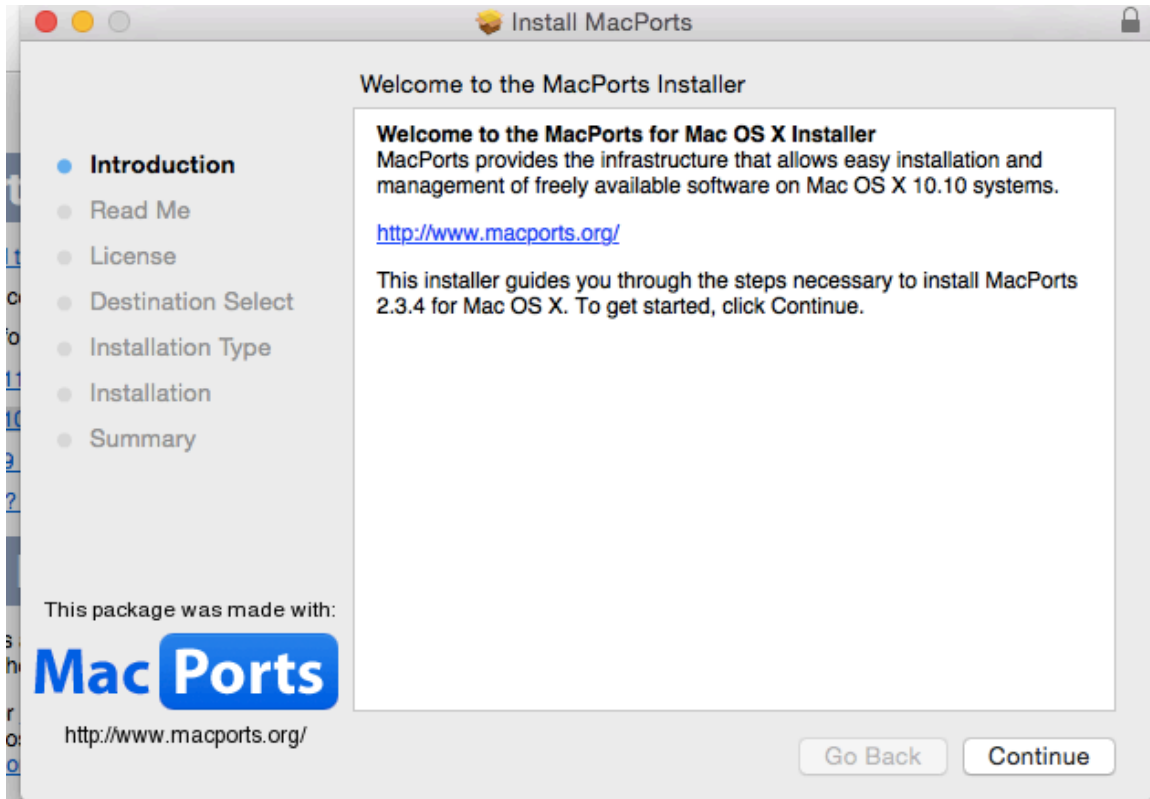
Quickstart

1. Install [Xcode and the Xcode Command Line Tools](#)
2. Agree to Xcode license in Terminal: `sudo xcodebuild -license`
3. Install MacPorts for your version of OS X:
 - [OS X 10.11 El Capitan](#)
 - [OS X 10.10 Yosemite](#)
 - [OS X 10.9 Mavericks](#)
 - [Older OS? See here.](#)

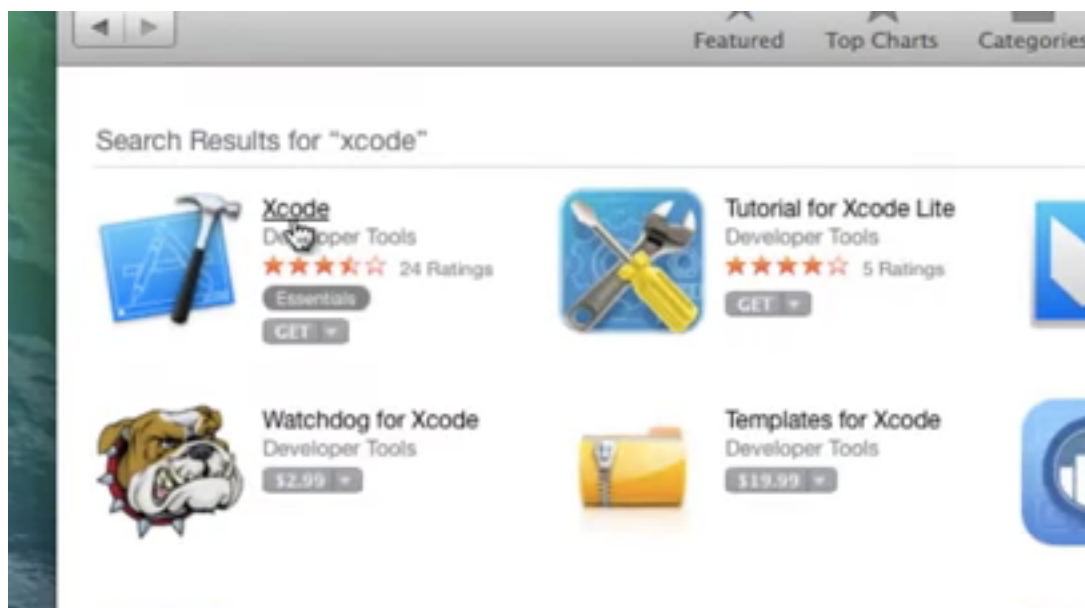
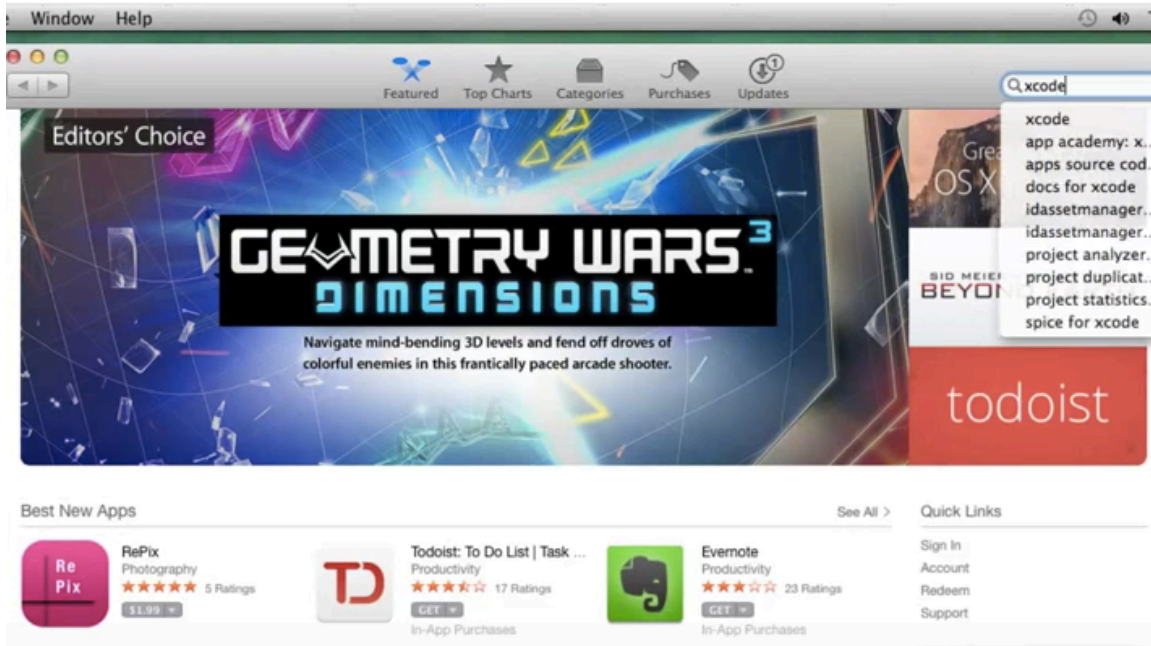
Installing MacPorts

MacPorts version 2.3.4 is available in various formats for download and installation (note, if you are upgrading your Mac OS : new major release, see the [migration info page](#)):

2. After considering your specific laptop, download it. It has a walkthrough that comes with the package . (you'll an administrator password to complete it).



3. Download and install **Xcode** at the **AppStore** by searching *xcode* at the top right-hand corner.



4. Download it (You'll need an **Apple ID** in order to download Xcode)



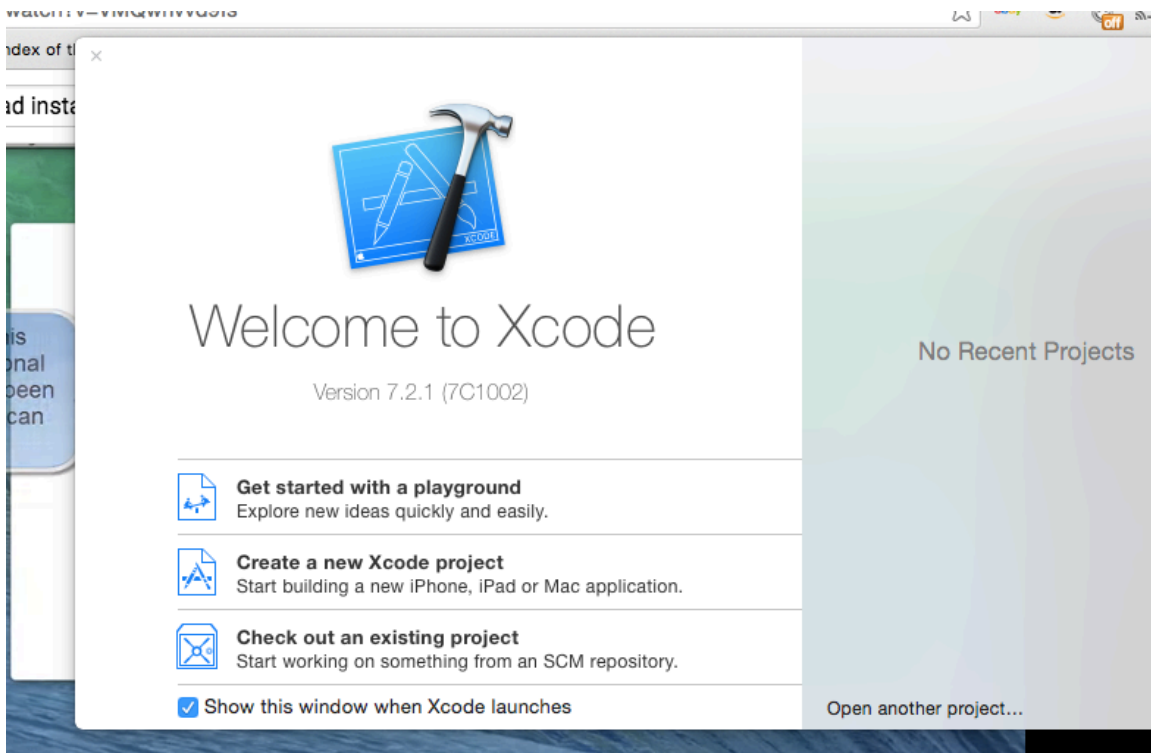
5. It is a big download of 4.5GB. It'll take a while...

6. After it finished downloading begin installation. That can also take a while...

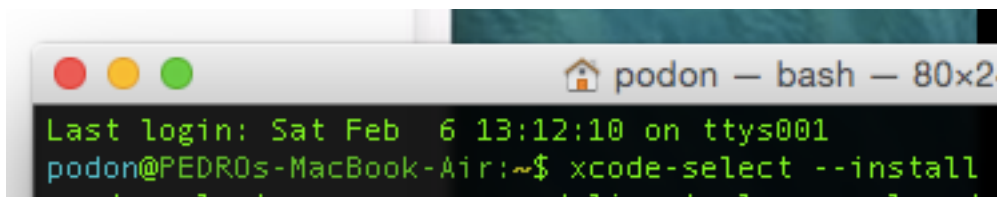
7. Now that is's finished, you need to start **XCode** to allow it to install additional components. (you'll administrator password to complete it).



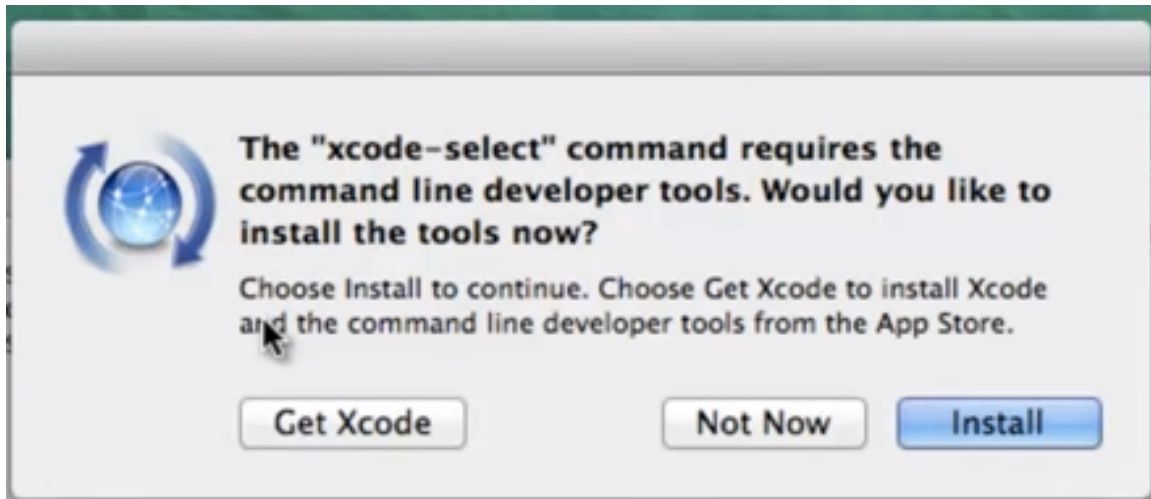
8. Once it is open, the additional components have been installed and you can close it.



9. Now you need install the **Command Line Tools**. Open your terminal and type *xcode-select --install*



10. The following window will open. Click install .

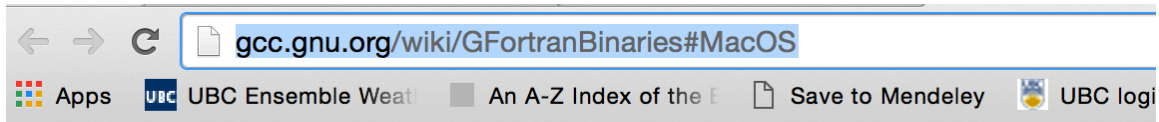


11. After you have successfully installed the **command line tools**, open your terminal and type *which gcc*

```
podon — bash — 80x24
Last login: Sat Feb 6 14:31:04 on ttys003
podon@dhcp-b8-8d-12-01-15-72:~$ which gcc
/usr/bin/gcc
podon@dhcp-b8-8d-12-01-15-72:~$
```

12. The command should return the path `/usr/local/bin` or `/usr/local/gcc`. All of this should have been taken care of automatically.

13. Now, download gfortran from the link
<http://gcc.gnu.org/wiki/GFortranBinaries#MacOS>



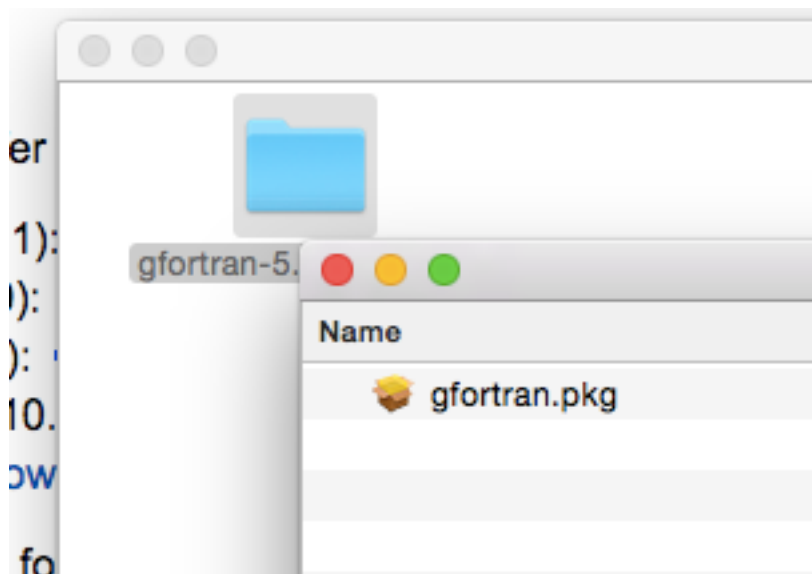
MacOS

The gfortran maintainers offer nice Apple-style installers for:

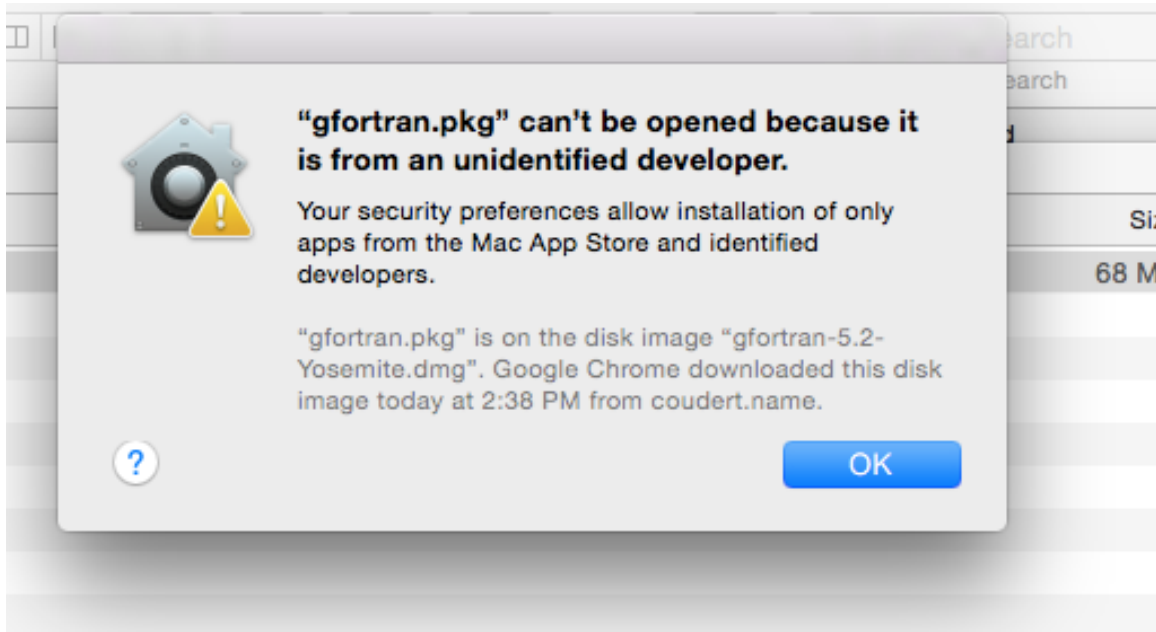
- OS X El Capitan (10.11): [download gfortran 5.2](#)
- OS X Yosemite (10.10): [download gfortran 5.2](#) or [gfortran 4.9.2](#)
- OS X Mavericks (10.9): [download gfortran 4.9.0](#) or [gfortran 4.8.2](#)
- OS X Mountain Lion (10.8): [download gfortran 4.8.2](#)
- OS X Lion (10.7): [download gfortran 4.8.2](#)

Detailed instructions can be found [here](#).

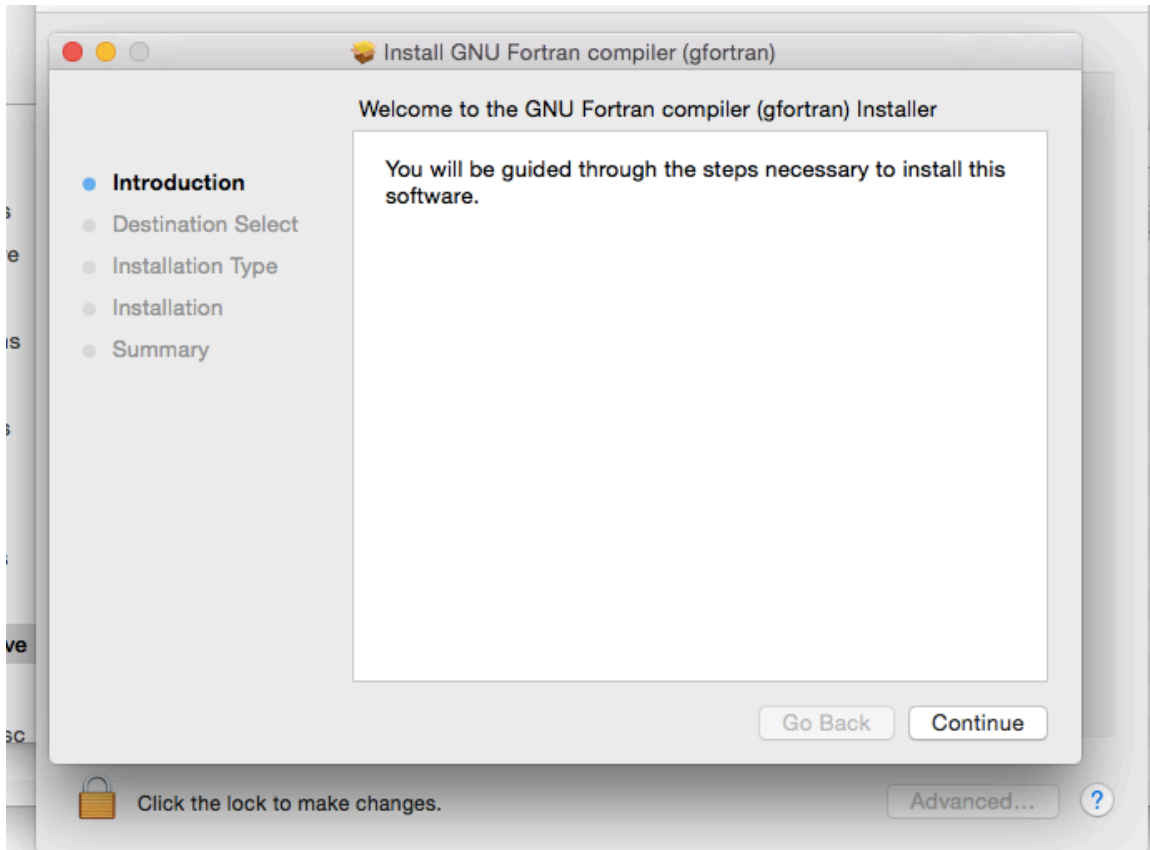
14. After considering your specific laptop, download it. It has a walkthrough that comes with the package. *Double-click* on the folder than *double-click* on the package.



15. If you get the following message, go to *System Preferences, Security & Privacy* and *Open it Anyway*.



16. **gfortran** also has a walkthrough that comes with the package. You'll need again administrator password



17. After you have successfully installed the **gfortran**, open your terminal and type *which gfortran* and it should be successfully installed in `/usr/local/bin`

A screenshot of a terminal window with a dark background and light green text. The window title is "podon - bash - 8". The terminal shows the following commands and output:

```
Last login: Sat Feb 6 13:12:10 on ttys001
podon@PEDROs-MacBook-Air:~$ xcode-select --install
xcode-select: error: command line tools are already installed. Run "xcode-select --reinstall" to install updates
podon@PEDROs-MacBook-Air:~$ gcc
clang: error: no input files
podon@PEDROs-MacBook-Air:~$ which gfortran
/usr/local/bin/gfortran
podon@PEDROs-MacBook-Air:~$
```