

# Gravity Sim README file (Mac OS X)

## Install NetLogo (~ 3 minutes)

Download the software from here: <http://ccl.northwestern.edu/netlogo>

Install as you would any other Mac application (drag NetLogo folder to Applications).

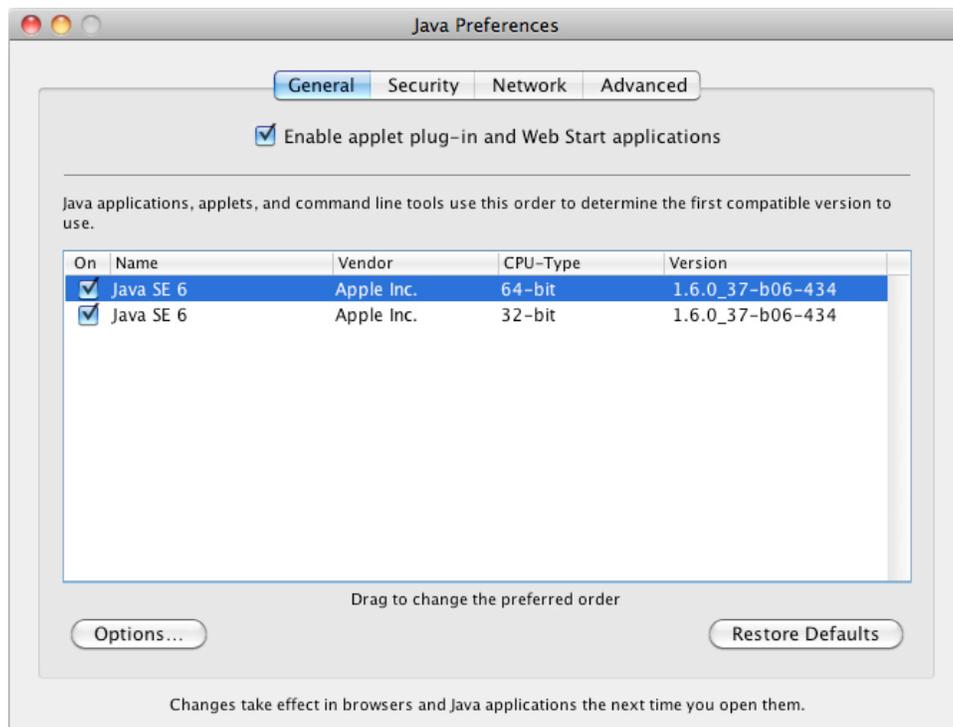
## Allocating Java Memory (~ 1 minute)

In order to run the Gravity Sim application on your Mac, you will first need to ensure that Java has enough memory. This is very easy to do and should take about one minute.

- 1) Open the Java Preferences utility:



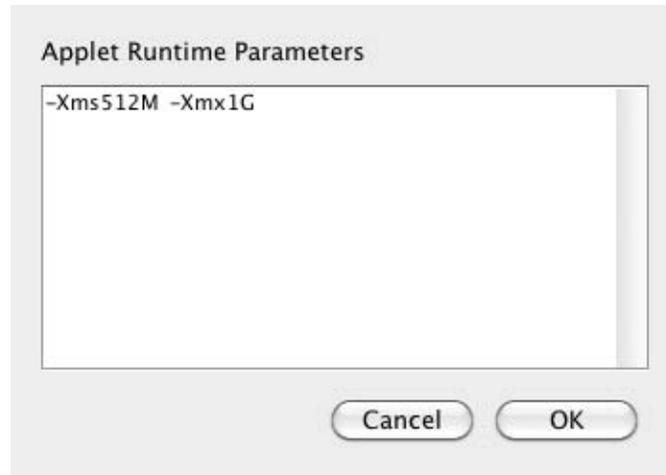
- 2) If you have more than one Java (e.g., a 64-bit version and a 32-bit version) select each one individually and click the [ Options... ] button.



- 3) Cut and paste the following text into the Applet Runtime Parameters dialog box and click [ OK ] (see next image):

`-Xms512M -Xmx1G`

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The first part tells Java to start with at least 512 MB of heap memory. The second part tells Java to allocate no more than 1 GB of heap memory. Click [ OK ] and close Java Preferences. You are done.

### Removing (closing) the NetLogo Command Center Window

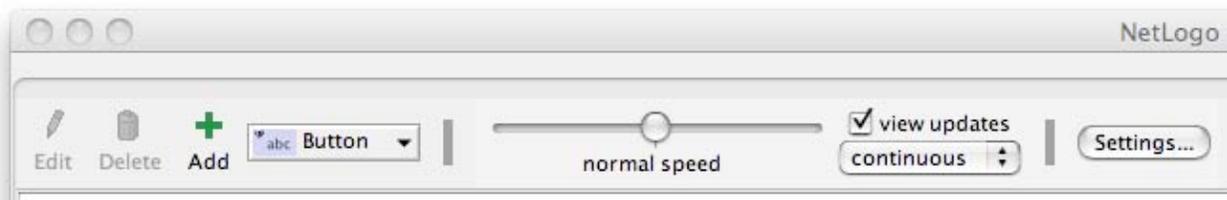
When you first open the application, unless you have an unusually high-resolution monitor, the extraneous NetLogo **Command Center** window, which is only useful during development, will be taking up valuable screen space at the bottom. You may remove it:

On the NetLogo **Tools** menu, select **Hide Command Center** or press [ command / ].

If needed, use the NetLogo **Zoom** menu and window resizing to get the best fit of the application interface to your screen.

### NetLogo development controls

Unlike a standard commercial application, GravitySim is an “academic” application, which runs in the NetLogo development environment. As such, the tools of the development environment are always available but they serve no purpose in runtime mode. You should only use the Zoom menu and the three tabs (Interface, Info, Code); using or changing any of the controls shown below is likely to either beak the application or cause undesirable behavior.



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Be sure to consult the contents of the **Info** tab prior to proceeding with the simulations.

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