

1) If you have a new PTC (first time you run)

First copy the new PTC in
..\MAD-X\libs\ptc\src

Recompile MAD-X

2) This program uses first a mad-x lattice

Unzip mad_small_3nux.zip

and it will produce a folder **small_3nux**

a) run mad-x in it. Myself, I defined the following command in my .bashrc file of my directory (Etienne)

```
alias mad='/home/Etienne/MAD-X/build/madx64.exe'
```

So I can run MAD-X with the command:

```
mad < lat_exercise.h
```

You should produce two flat files.

3)

Then unzip ptc_small_3nux.zip

This is a “ptc stand alone” project.

In the main program change the location of the two flat files to your location in

```
call read_lattice_append(M_U, '.....\flat_exercise0.txt')  
call read_lattice_append(M_U, '.....\flat_exercise.txt')
```

Look at the program and run it.

4) You can use my graphical interface. Download

graphical_interface_for_windows.zip

I urge you to change your .bashrc file as follows:

Add the following lines at the bottom with Etienne replaced with the appropriate user.

```
/home/Etienne/ptc_alone/interface_for_windows/ginovars.bat  
alias ptcgui='/home/Etienne/ptc_alone/interface_for_windows/ptcgui.exe'
```