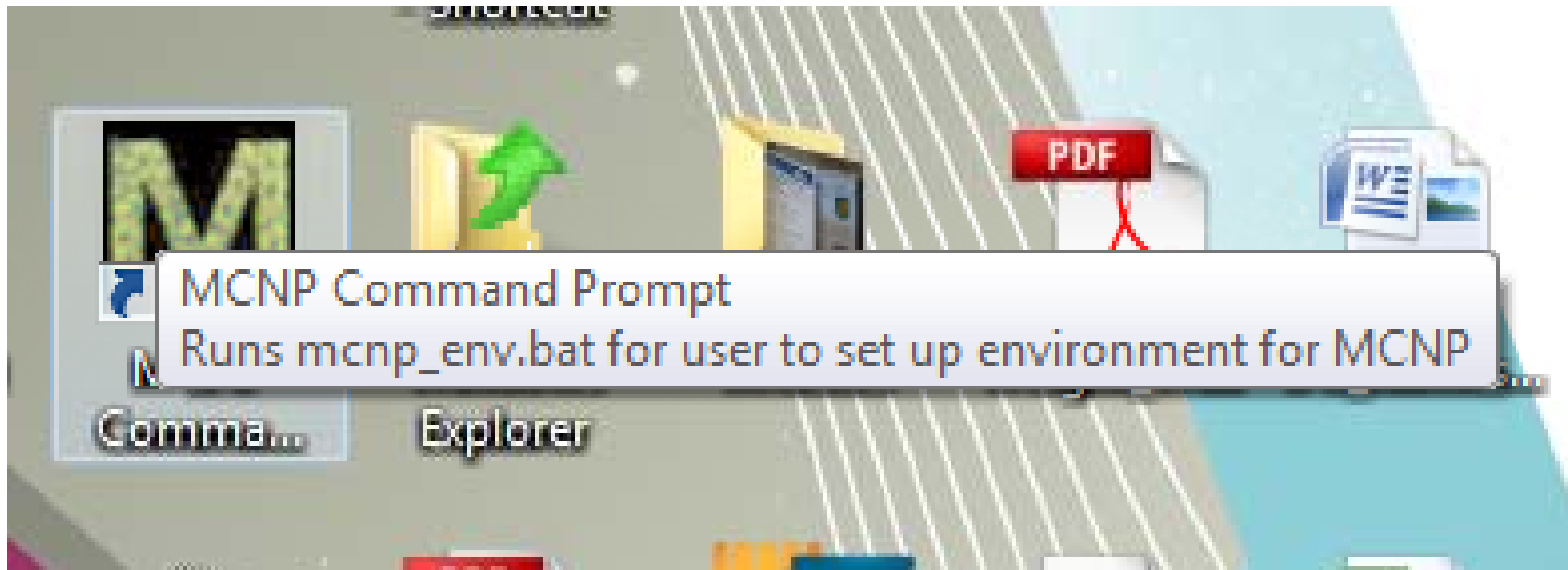


MCNP6® installation

Creates a Command prompt for running MCNP6®



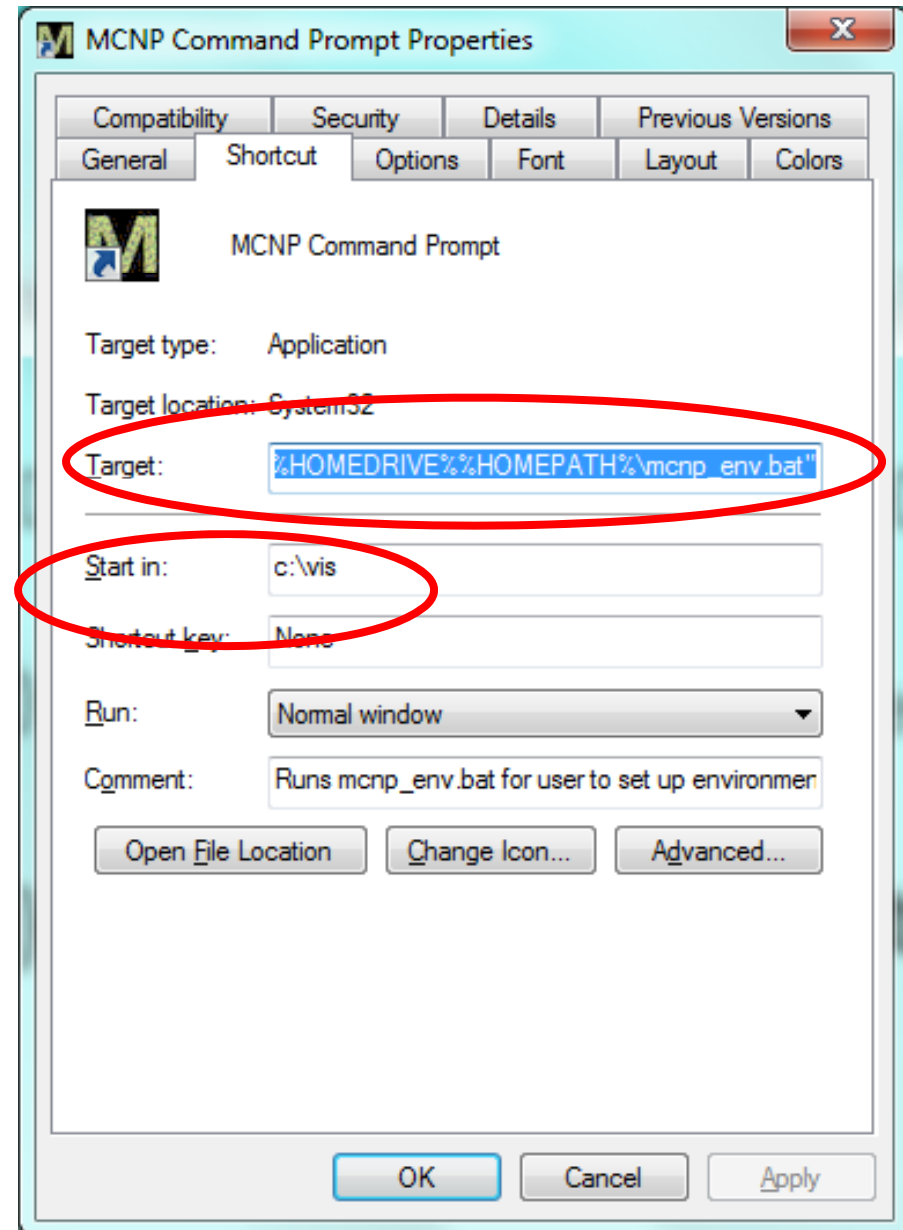
Command Prompt Properties

Target:

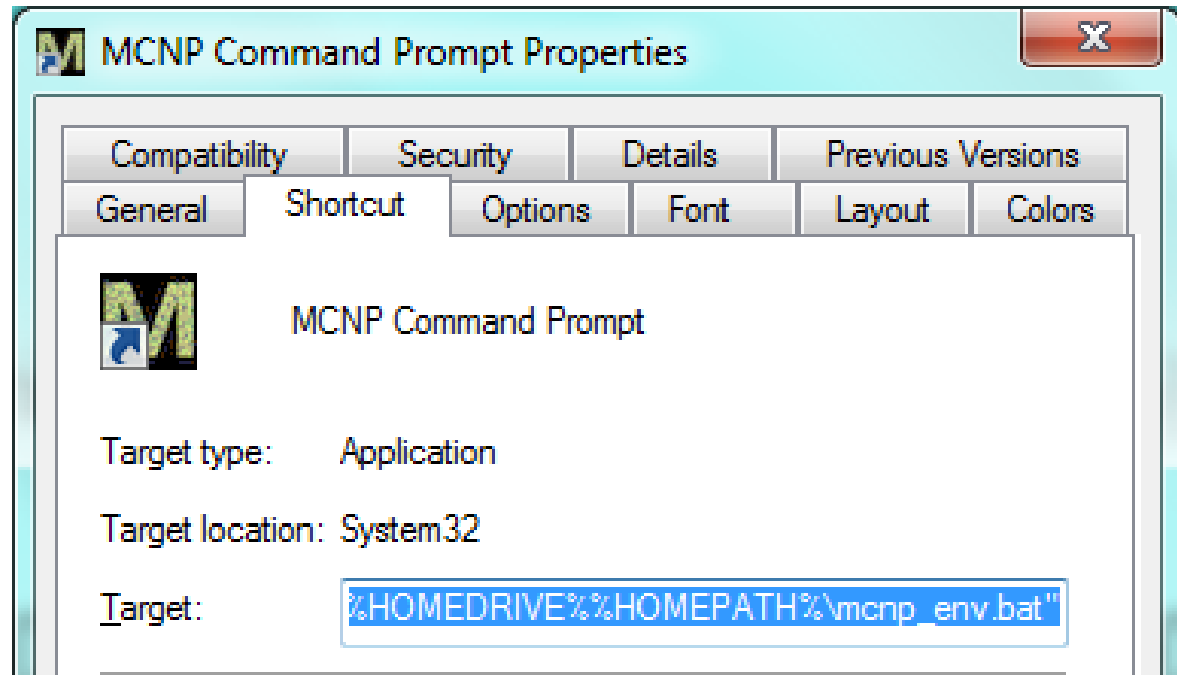
%HOMEDRIVE%%HOMEPATH%
%\mcpn_env.bat

Start in:

Default:
%HOMEDRIVE%%HOMEPATH%
Modified to:
C:\vis



Command Prompt Target



`%HOMEDRIVE%` = The disk you installed the software on.
`%HOMEPATH%` is your log in username.

NOTE:

Everyone has a different
`%HOMEDRIVE%%HOMEPATH%`

MCNP® installation

mcnp_env.bat

```
@ rem ----- MCNP DOS Autorun batch file
-----
@ rem ----- This file was created by the MCNP Install script.
-----
@ rem ----- to set the DOS Environment Correctly with the DOS CMD Autorun
feature. -----
@ rem ----- To uninstall simply delete this file.
-----
```

```
@ set MCNPPATH=C:\mcnp6\MCNP_CODE\bin
@ PATH %MCNPPATH%;%PATH%
```

← modifies the path

```
@ set DATAPATH=C:\mcnp6\MCNP_DATA
SET DISPLAY=:0.0
```

← Sets the DATAPATH

← Sets the DISPLAY

You must to use the "M" command prompt to run the executables and access the cross sections.

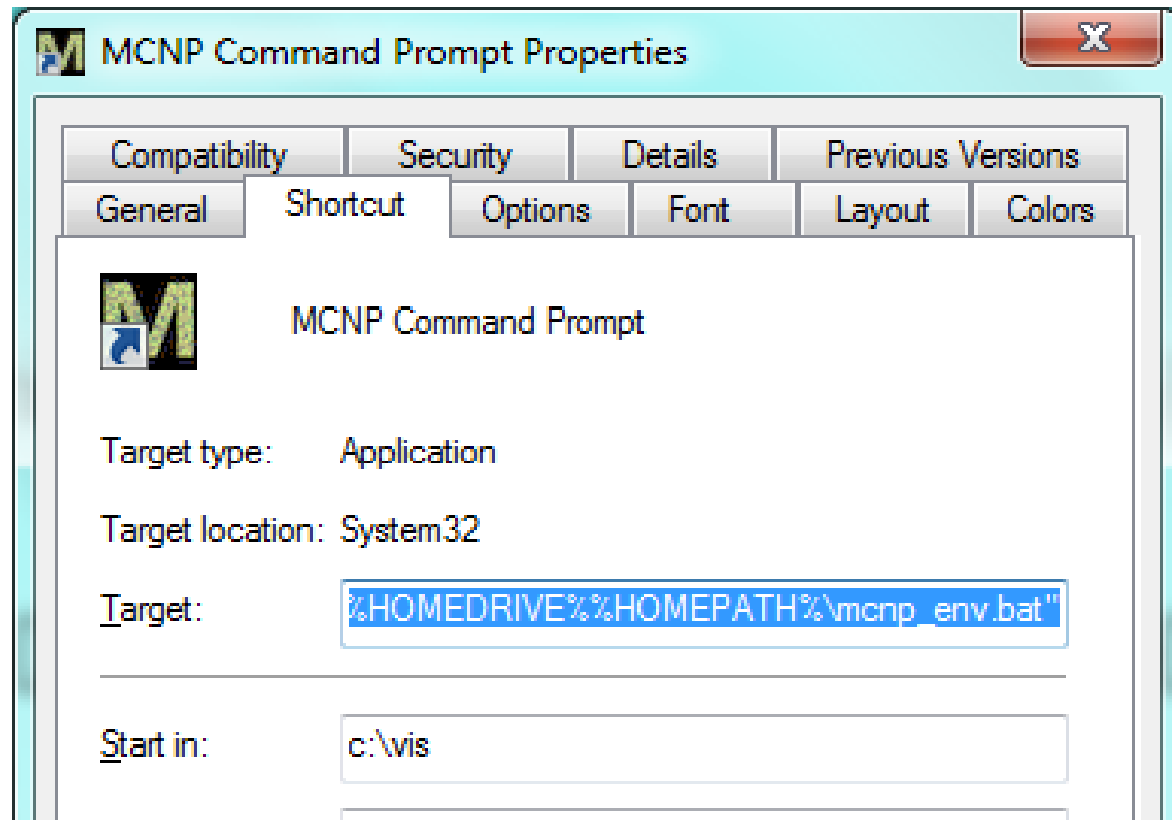
The “M” command prompt

Everyone has a different %HOMEDRIVE%%HOMEPATH%

The `mcnp_env.bat` is executed when the “M” command prompt is selected.

- This prevents other users on your computer accessing the code.
- A generic command prompt will not run MCNP6®.
- Batch files will not work unless run from the “M” command prompt
- Visual Editor will no longer be able to find the cross sections.
- If you install on a external drive, it may not work if you move this drive up to a different computer and the Drive letters changes.
- By default, every user will run in a different directory.

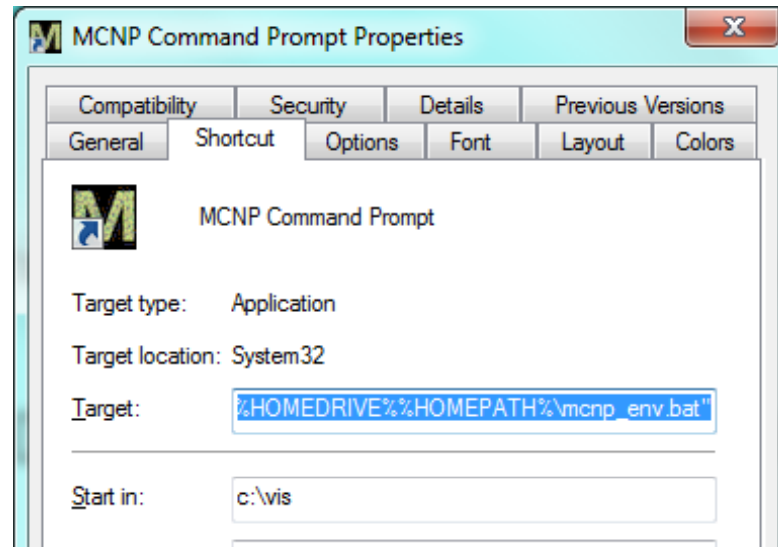
Start in directory



The default start in directory is:
`%HOMEDRIVE%%HOMEPATH`

Change this to a more convenient
location (i.e. `C:\vis`).

Target:



C:\Windows\System32\cmd.exe /K "%HOMEDRIVE%%HOMEPATH%\mcpn_env.bat"

1. To change the target location by hand, modify the above command.
2. Creates a standard cmd then runs the mcpn_env.bat file
3. The /k keeps the command prompt up.

Change DISPLAY in mcnp_env.bat

```
@ rem ----- MCNP DOS Autorun batch file -----  
@ rem ----- This file was created by the MCNP Install script. -----  
@ rem ----- to set the DOS Environment Correctly with the DOS CMD Autorun feature. -----  
@ rem ----- To uninstall simply delete this file. -----
```

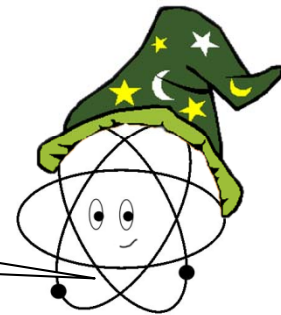
```
@ set MCNPPATH=C:\mcnp6\MCNP_CODE\bin
```

```
@ PATH %MCNPPATH%;%PATH%
```

```
@ set DATAPATH=C:\mcnp6\MCNP_DATA
```

```
SET DISPLAY=localhost:0
```

DISPLAY MUST BE CAPITALIZED
No blanks spaces at the end



If the default display deos not work in Windows,
edit the mcnp_env.bat file and modify it by inserting
localhost, remove the ".0". Make sure there a no
spaces after the 0.

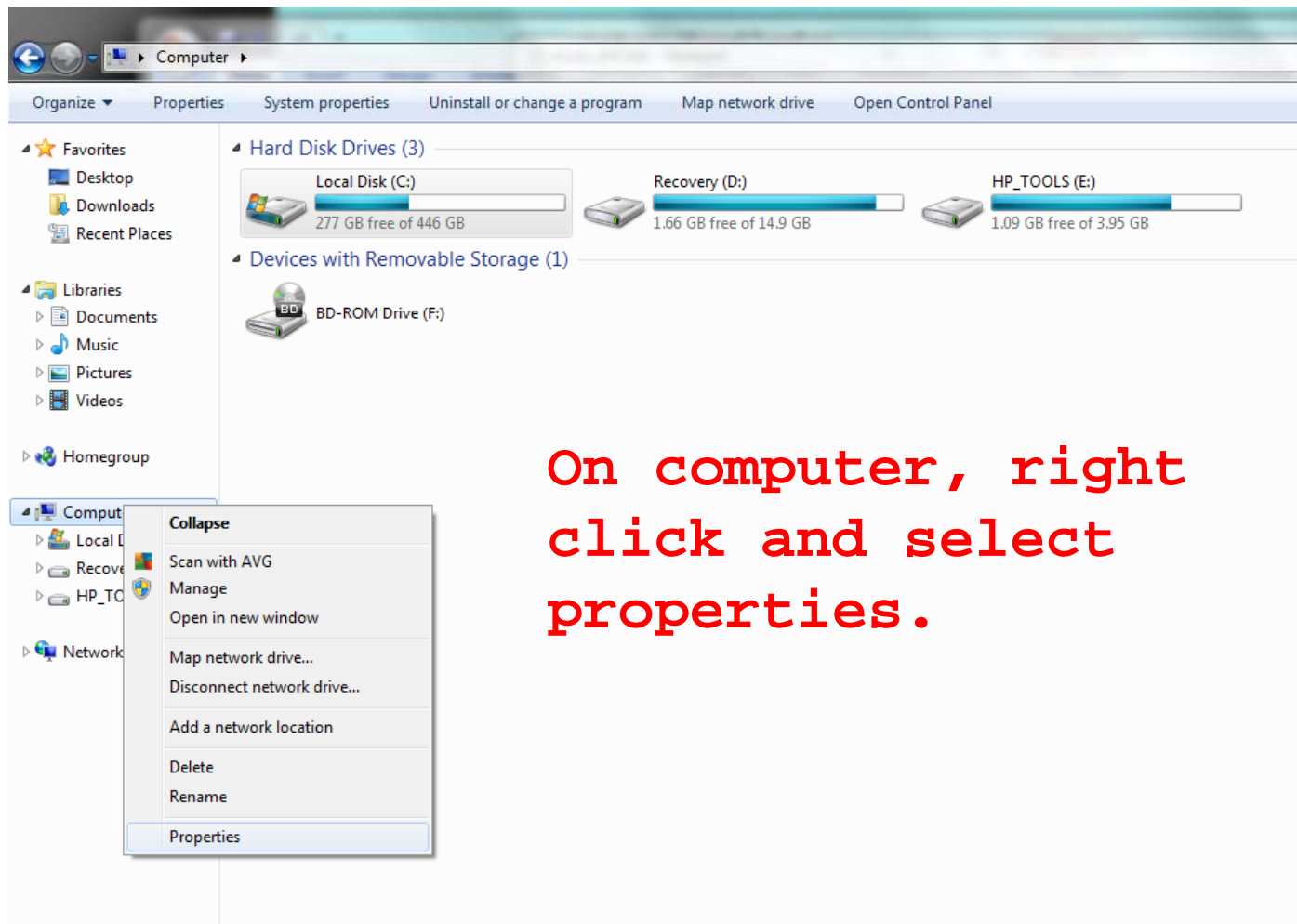
Visual Editor implications

Visual Editor does not know about the M command prompt or the `mcnp_env.bat` file.

You need to let Visual Editor know the DATAPATH.

1. The best option is to set the DATAPATH environment variable for your computer.
2. You can also type in the Vised executable from the MCNP® command prompt.
3. You can create Vised batch files from the MCNP® batch files.

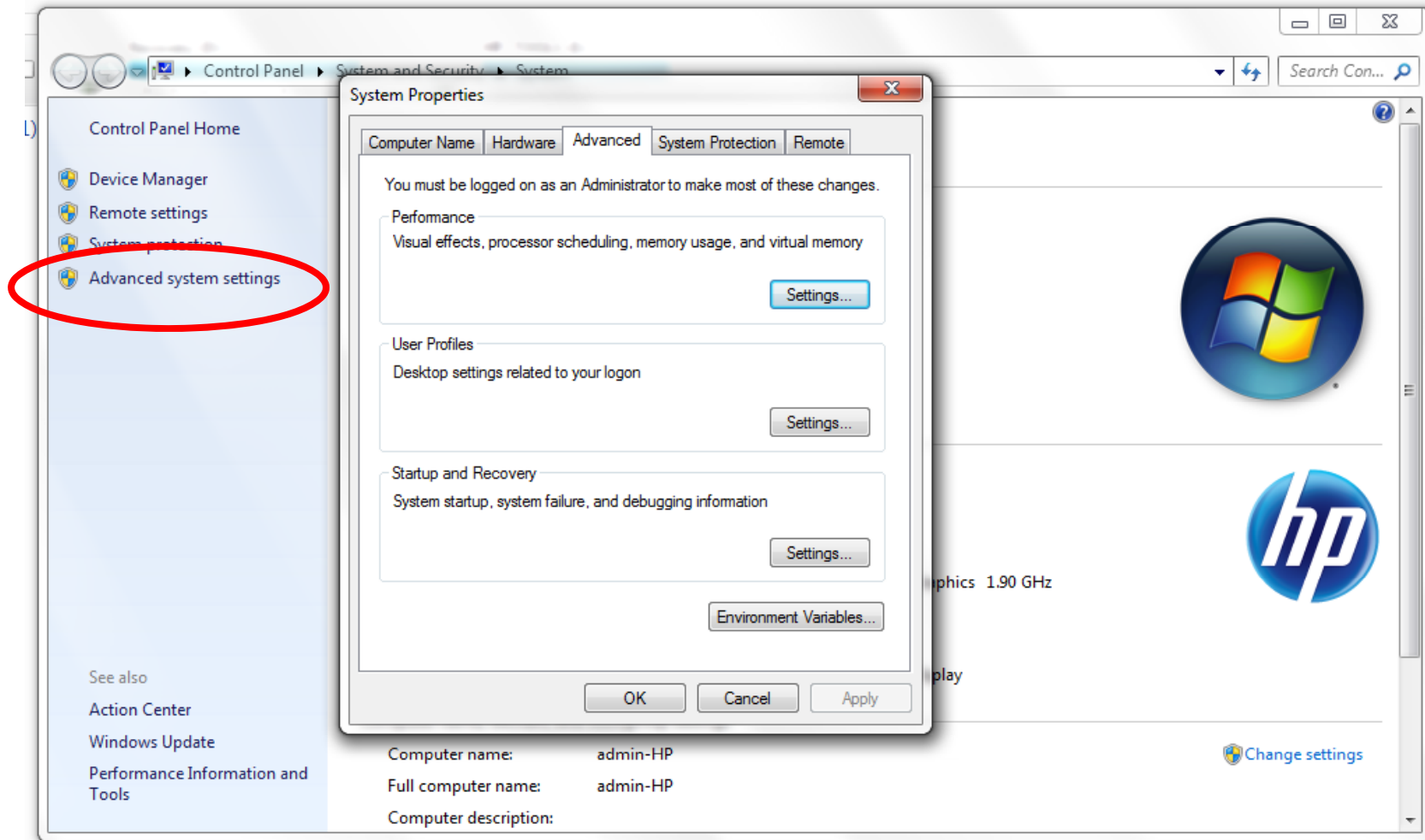
Setting the DATAPATH on Windows



On computer, right click and select properties.

Setting the DATAPATH on Windows

Select:
Advanced system settings

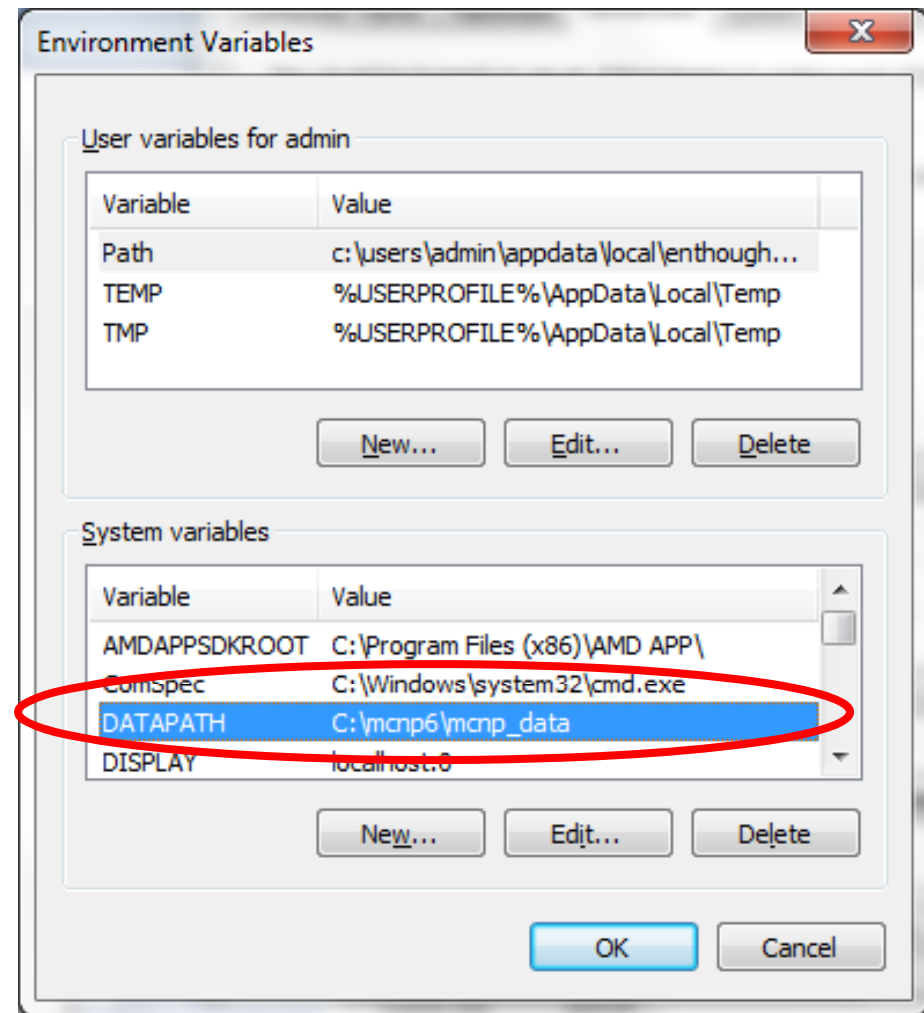


Setting the DATAPATH on Windows

Create/Select the DATAPATH Environment Variable.

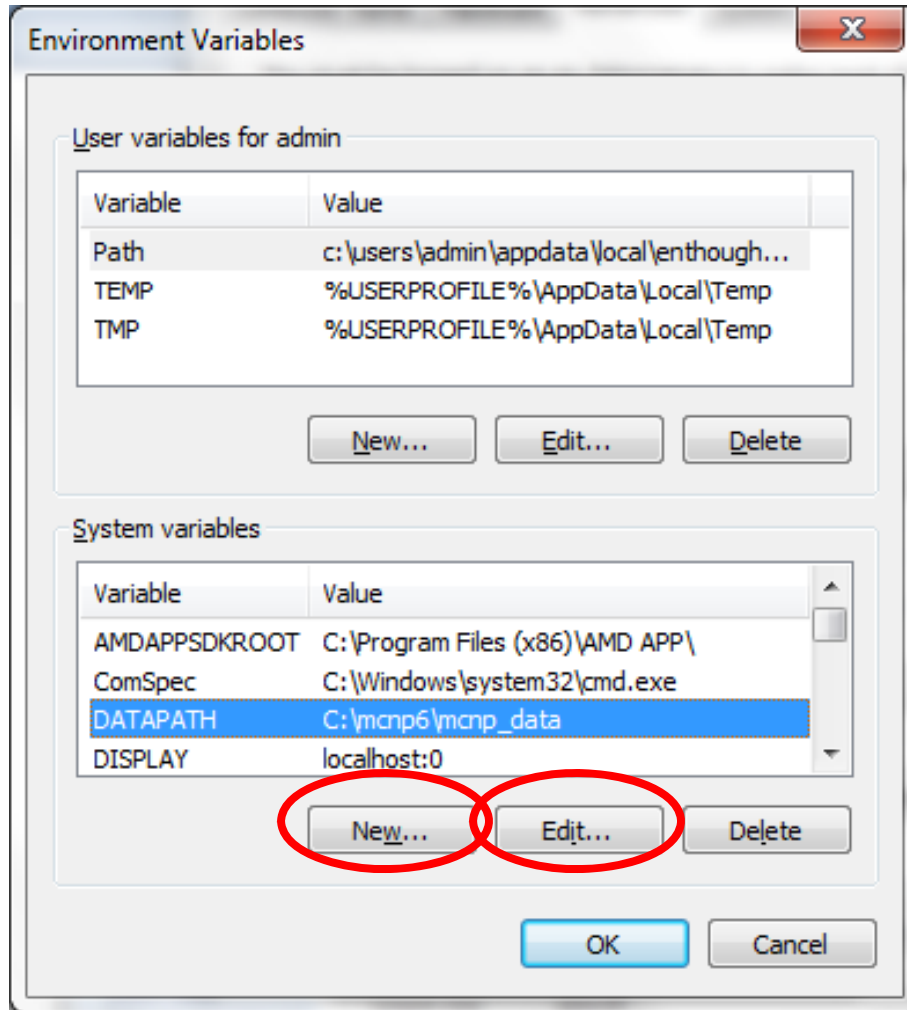
If it does not exist select NEW.

If it does exist select EDIT.



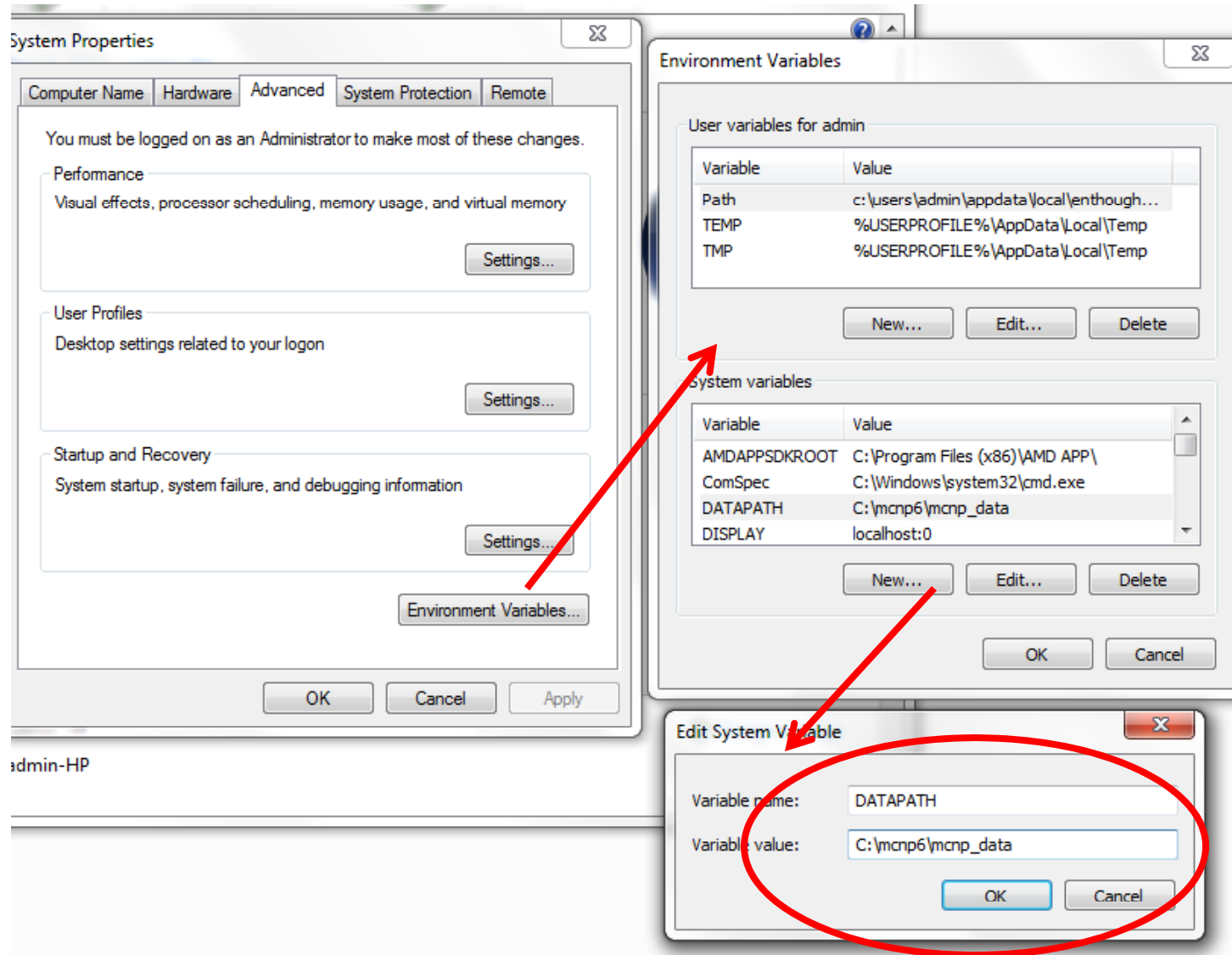
MCNP® installation

Setting the DATAPATH on Windows



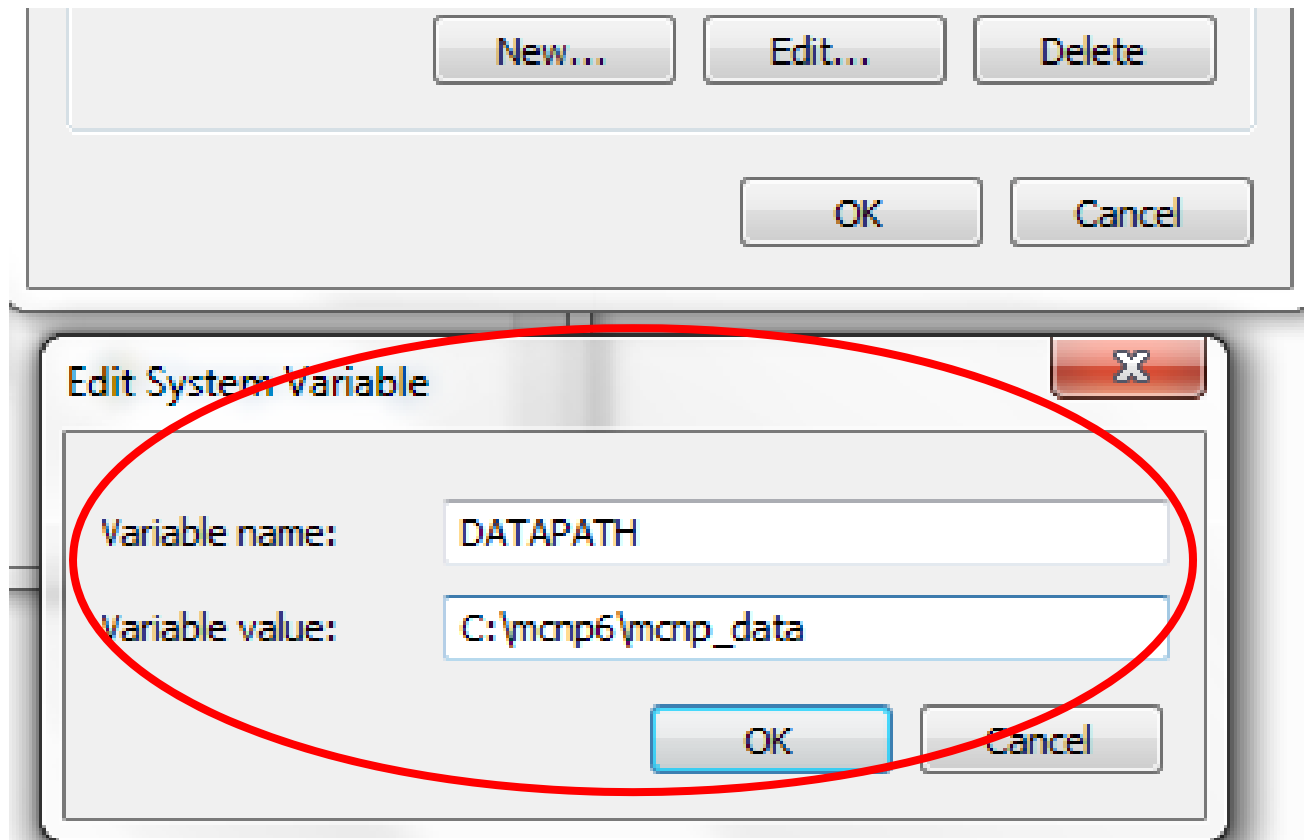
Edit or
create (New)
the DATAPATH
variable name

Setting the DATAPATH on Windows



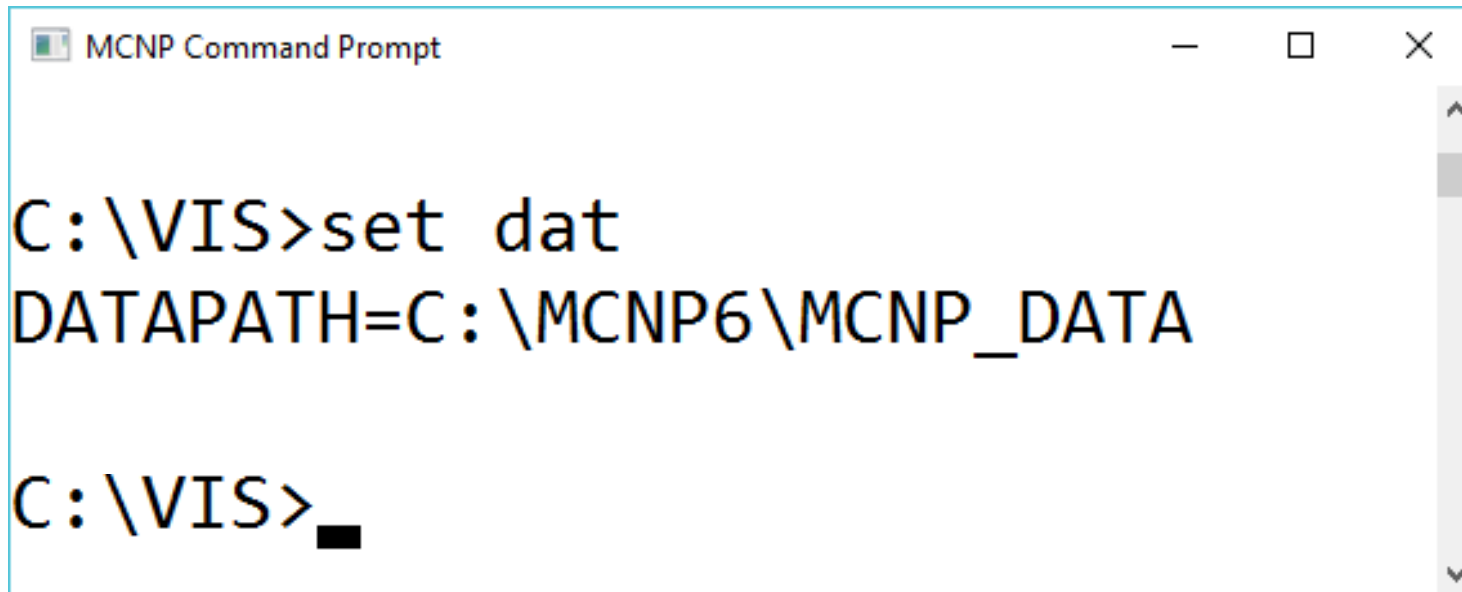
Setting the DATAPATH on Windows

Enter the DATAPATH.



Setting the DATAPATH on Windows

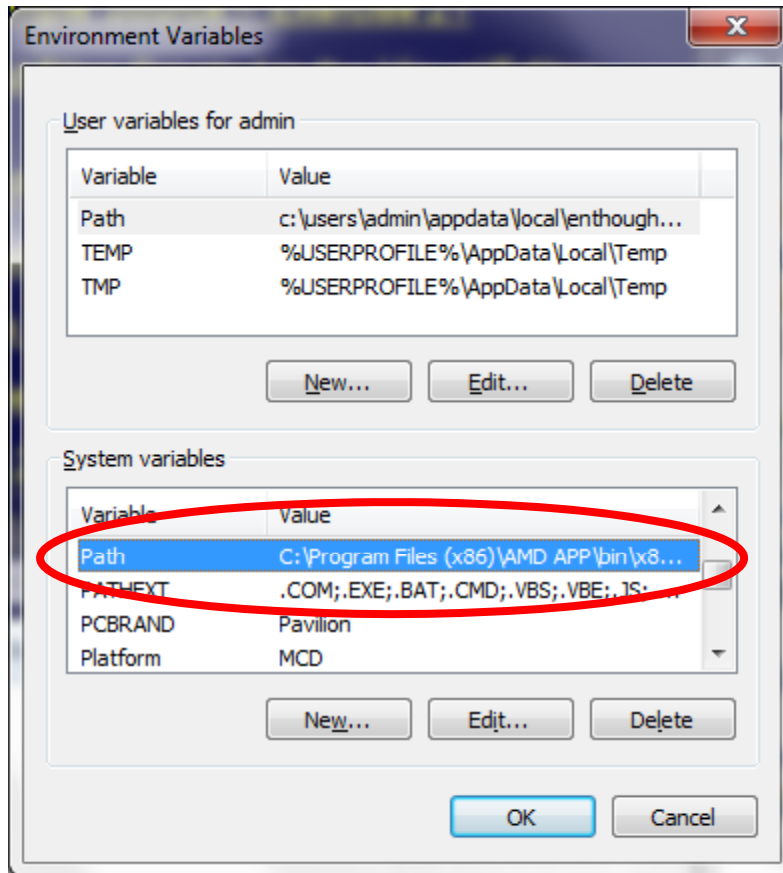
If you do not know your DATAPATH value, type "set DAT" in the "M" command prompt.



```
MCNP Command Prompt
C:\VIS>set dat
DATAPATH=C:\MCNP6\MCNP_DATA
C:\VIS>
```


Modify the Windows PATH

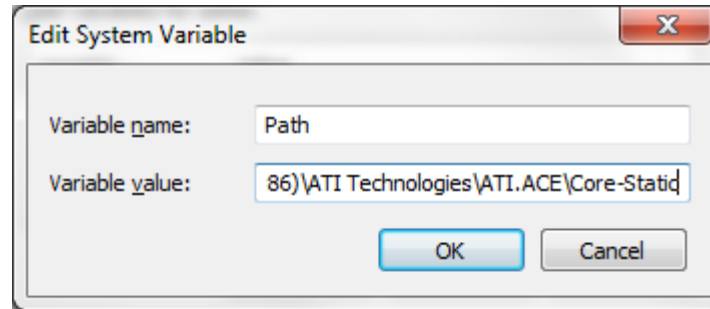
You can also modify the PATH definition so MCNP6® can run anywhere on your computer.



Scroll down to the Path variable.

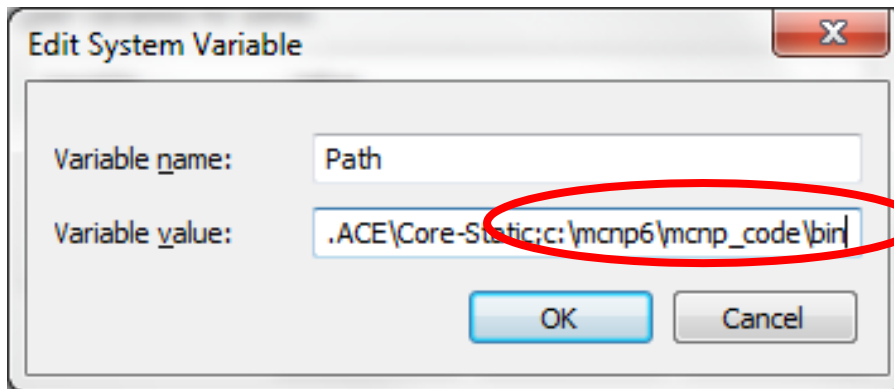
Modify the Windows PATH

Select Edit



Add the path to the MCNP6® binaries
(i.e. C:\mcnp6\mcnp_code\bin)

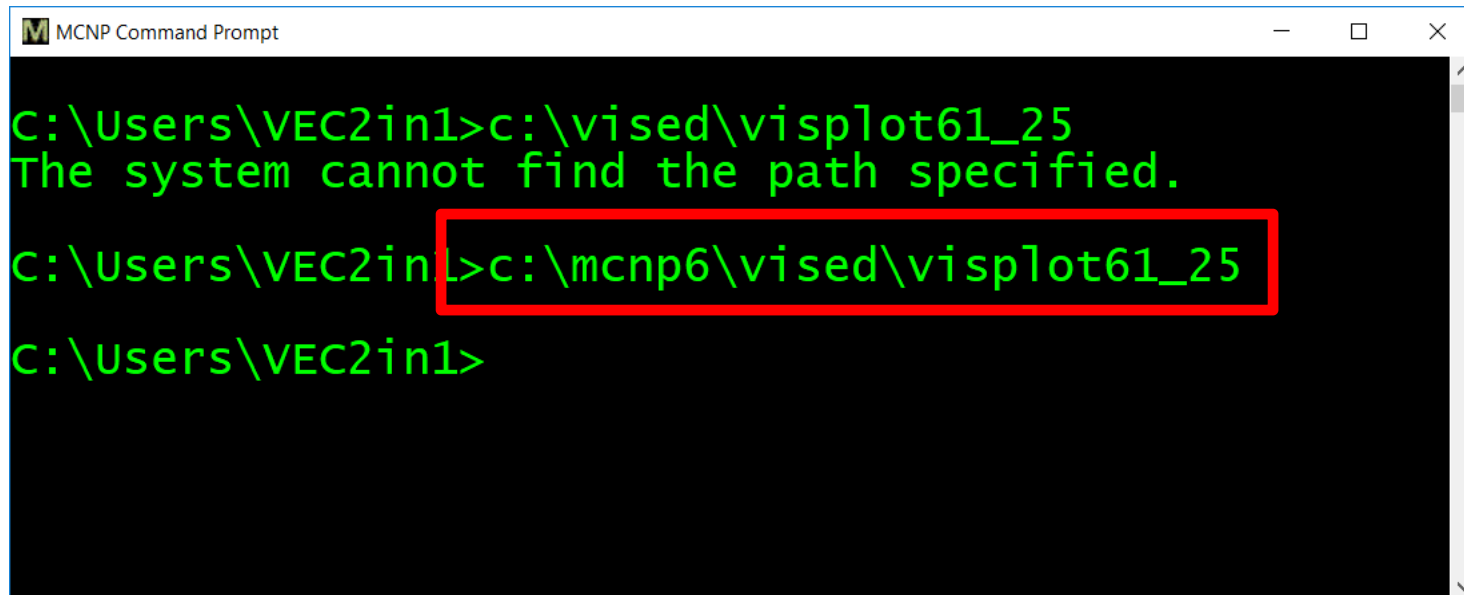
Refer to the mcnp_env.bat file for
the path for your setup.



← Don't forget the ;

You can also: Run from the MCNP® command prompt

Run the Visual Editor from the MCNP6®
command prompt.



```
MCNP Command Prompt
C:\Users\VEC2in1>c:\vised\visplot61_25
The system cannot find the path specified.
C:\Users\VEC2in1>c:\mcp6\vised\visplot61_25
C:\Users\VEC2in1>
```

OR: Create a VISED command icon from the MCNP® command icon

Create a vised batch file from the MCNP® batch file:

```
copy      mcnp_env.bat      vised61.bat
```

```
@ set MCNPPATH=C:\MCNP6\MCNP_CODE\bin
```

```
@ PATH %MCNPPATH%;%PATH%
```

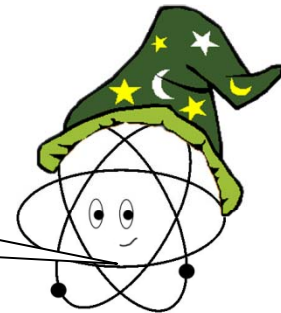
```
set DISPLAY=:0
```

```
set DATAPATH=C:\MCNP6\MCNP_DATA
```

```
c:\mcnp6\vised\Visplot61_25
```

```
exit
```

Add a line to run Vised.
Make sure there is no space
after the DATAPATH line, or it
will not work



Copy the MCNP® icon to create a VISED icon

change the name
of the bat
file.

You can change
the icon image
by selecting
Change Icon

You can create
an icon by
saving a vised
plot to a bmp
file.

