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# How install (python: 'python-3.8.4rc1-amd64' into Eulermath:only for windows).

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install: python on your computer (packages: numpy,matplotlib,scipy).
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1e) step : download : python-3.8.4rc1-amd64

- https://www.python.org/downloads/release/python-384rc1/

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|---|---|---|---|
| Windows x86-64 executable installer | Windows AMD64/EM64T/x64 | c98f36f8c78b4b1ba1eb0bcf693b4eca | 27877184 |

2e) step : install on your computer ( = windows 10.)

- install : customize installation (reason : simple path,select your directory)
- check :add pyhton 3.8 to the path

3e) step : install:packages (numpy,matplotlib;scipy).

Type :windows ( Type here to search : cmd =command prompt)

* check : pip ( needed for install packages)

c:\users\namecomputer> pip -V -=> message or error

- install package:

c:\users\namecomputer> pip install matplotlib
wait :until download and install
c:\users\namecomputer> pip install scipy
wait :until download and install

problems :https://www.youtube.com/watch?v=8rLjBLcekL0
https://www.youtube.com/watch?v=Ju6zw83PoKo

examples : http://euler.rene-grothmann.de/Programs/21-Python in Euler.html

install: eulermath ( = windows 10).
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1e) step :download: EMT-x64

- http://euler.rene-grothmann.de/index.html
- http://euler-math-toolbox.de/download.html

2e) step : uncheck : python 2.7

- by default EMT-64

Menu → Other Program Settings → uncheck :python 2.7

3e) step: to use python in EMT-x64

- startup : File → restart Euler
- > pythonmode on

otherwise : see examples 'see above'
answer :Pythonmode on (“nextline”)

4e) step : how to use matplotlib (simple example,run)

a) code : EMT-x64 (give in the code)
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```
> pythonmode on
> import matplotlib
> import matplotlib.pyplot as plt
> import numpy as np
> t.= np.arange(0.0,2.0,0.01)
> s=1+np.sin(2*np.pi*t)
> fig,ax=plt.subplots()
> ax.plot(t,s)
> plt.show
> fig.savefig("test.png")
> plt.show
> plt.plot(t,s)
> plt.show()
> plt.grid(True)
> plt.show
> plt.plot(t,s)
> plt.show
```

b) run: EMT-x64
Menu → Edit → Run the commands in Section

result : two graph  outside the notebook ( = inside editor)
my pc: namecomputer = Chem1

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reason :
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Euler math (Python ,Maxima,Matlab,Euler.....see documentation)
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