test_jupyter

July 12, 2022

1 Test Jupyter

1.1 test shell interactive

Loan_2021.nb Salary_2021Jan.nb test_jupyter.ipynb loan.nb Salary_2021.nb test_jupyter.py Salary_2021Feb.nb tax.nb test_Octave.m /home/bosonicli/Documents/MehrWert/currency

1.2 test init

```
[]: os.getcwd() %matplotlib widget
```

1.3 test import

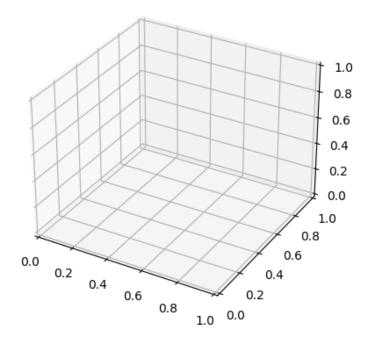
```
[]: import numpy as np
  import pandas as pd
  from matplotlib import pyplot as plt
  from mpl_toolkits.mplot3d import Axes3D

from __future__ import print_function
  from ipywidgets import interact, interactive, fixed, interact_manual
  import ipywidgets as widgets

from IPython.display import display
```

1.4 test canvas setting

```
[]: fig1 = plt.figure()
ax1 = plt.axes(projection = '3d')
```

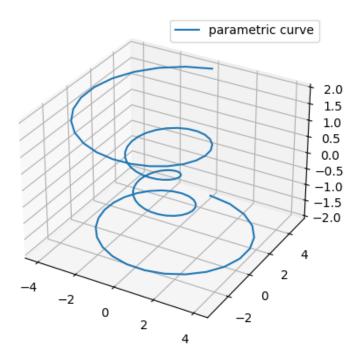


1.5 test curve setting

```
[]: theta1 = np.linspace(-4 * np.pi, 4 * np.pi, 100)
z1 = np.linspace(-2, 2, 100)
r1 = z1**2 +1
x1 = r1 * np.sin(theta1)
y1 = r1 * np.cos(theta1)
```

1.6 test curve show

```
[]: ax1.plot(x1, y1, z1, label='parametric curve')
ax1.legend()
plt.show()
```



1.7 test Jupyter interactive

interactive(children=(IntSlider(value=10, description='a', max=30, min=-10), $_{\sqcup}$ $_{\hookrightarrow}$ IntSlider(value=20, description='...