

## Brownian\_motion - Jupyter Notebook

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Trusted

Python 3

```

21 fig, ax = plt.subplots(figsize=(12, 8))
22 for i in range(3):
23     ax.plot(tspan, result[:, i], label = 'ccordinate {}'.format(i))
24 ax.legend(loc='upper left');
25 fig, ax = plt.subplots(figsize=(12, 8))
26 for i in range(3,6):
27     ax.plot(tspan, result[:, i], label = 'ccordinate {}'.format(i))
28 ax.legend(loc='upper left');

```

-----  
**AttributeError** Traceback (most recent call last)

<ipython-input-3-47b4937df551> in <module>

```

1 import numpy as np
----> 2 import sdeint as sd
3 import matplotlib.pyplot as plt
4 import time
5

```

/var/mobile/Containers/Data/Application/F079A96F-4CA5-4A57-A1EE-D9836E97ACC0/Library/lib/python3.9/site-packages/sdeint/\_\_init\_\_.py in <module>

```

1 from __future__ import absolute_import
2
----> 3 from .wiener import deltaW, Ikw, Jkw, Iwik, Jwik
4 from .integrate import (SDEValueError, itoint, stratint, itoEuler, stratHeun,
5                         itoSRI2, stratSRS2, stratKP2iS)

```

/var/mobile/Containers/Data/Application/F079A96F-4CA5-4A57-A1EE-D9836E97ACC0/Library/lib/python3.9/site-packages/sdeint/wiener.py in <module>

```

33 import numpy as np
34
----> 35 numpy_version = list(map(int, np.version.short_version.split('.')))
36 if numpy_version >= [1,10,0]:
37     broadcast_to = np.broadcast_to

```

**AttributeError:** module 'numpy.version' has no attribute 'short\_version'

In [2]: 1 %pip install sdeint

```

Defaulting to user installation because normal site-packages is not writeable
Requirement already satisfied: sdeint in /private/var/mobile/Containers/Data/Application/F079A96F-4CA5-4A57-A1EE-D9836E97ACC0/Library/lib/python3.9/site-packages (0.2.2)
Requirement already satisfied: numpy>=1.6 in /private/var/mobile/Containers/Data/Application/D508CED9-C9D5-49A8-AE3A-25C20D6F5C33/Carnets-sci.app/Library/lib/python3.9/site-packages/numpy-1.21.0.dev0+716.g786cc1dd5-py3.9-macosx-11.3-x86_64.egg (from sdeint) (1.21.0.dev0+716.g786cc1dd5)

```

WARNING: You are using pip version 21.1.1; however, version 21.2.3 is available.  
You should consider upgrading via the '/private/var/mobile/Containers/Data/Application/D508CED9-C9D5-49A8-AE3A-25C20D6F5C33/Carnets-sci.app/Library/bin/python3 -m pip install --upgrade pip' command.