e-12

March 11, 2025

[12]:
```
import numpy as np
```

[13]:
```
np.linspace(0, 100, num=5)
# with a specia step generated
```

[13]:
```
array([  0.,  25.,  50.,  75., 100.])
```

[14]:
```
np.linspace(0, 100, num=5, retstep=True)
# show the special step
```

[14]:
```
(array([  0.,  25.,  50.,  75., 100.]), np.float64(25.0))
```

[15]:
```
iterable = (x*x for x in range(5))
np.fromiter(iterable, float)
```

[15]:
```
array([ 0.,  1.,  4.,  9., 16.])
```

[16]:
```
np.fromstring('1 2', dtype=int, sep=' ')
```

[16]:
```
array([1, 2])
```

[17]:
```
np.fromstring('1,2,3', dtype=int, sep=',')
```

[17]:
```
array([1, 2, 3])
```

[18]:
```
np.radians(180) # from degree to radians
```

[18]:
```
np.float64(3.141592653589793)
```

[19]:
```
np.degrees(3.141592653589793) # from radian to degree
```

[19]:
```
np.float64(180.0)
```

[ ]:
```

```