

Mathematical Functions of Numpy

FUNCTION	DESCRIPTION
rint()	Round to nearest integer towards zero.
fix()	Round to nearest integer towards zero.
floor()	Return the floor of the input, element-wise.
ceil()	Return the ceiling of the input, element-wise.
trunc()	Return the truncated value of the input, element-wise.

Code:

```
import numpy as np
a=np.random.normal(210,100,5)
print(a)

print("rint a:")
print(np.rint(a))

print("fix a:")
print(np.fix(a))

print("floor a:")
print(np.floor(a))

print("ceil a:")
print(np.ceil(a))

print("trunc a:")
print(np.trunc(a))
```

Output:

```
Python 3.6.1 (default, Dec 2015, 13:05:11)
[GCC 4.8.2] on linux
[ 36.51163722 104.54737478 168.57897209 355.26569166 198.989152
76]
rint a:
[ 37. 105. 169. 355. 199.]
fix a:
[ 36. 104. 168. 355. 198.]
floor a:
[ 36. 104. 168. 355. 198.]
ceil a:
[ 37. 105. 169. 356. 199.]
trunc a:
[ 36. 104. 168. 355. 198.]
>
```