e-5

March 11, 2025

[1]:
```
import numpy as np
```

[2]:
```
"""
A simple format for saving numpy arrays to disk with the full information about␣
 ↪them.
The .npy format is the standard binary file format in NumPy for persisting a␣
 ↪single
arbitrary NumPy array on disk. The format stores all of the shape and dtype␣
 ↪information
necessary to reconstruct the array correctly even on another machine with a␣
 ↪different architecture.
The format is designed to be as simple as possible while achieving its limited␣
 ↪goals.
The .npz format is the standard format for persisting multiple NumPy arrays on␣
 ↪disk.
A .npz file is a zip file containing multiple .npy files, one for each array.
"""
```

[2]:
```
'\nA simple format for saving numpy arrays to disk with the full information
about them.\nThe .npy format is the standard binary file format in NumPy for
persisting a single \narbitrary NumPy array on disk. The format stores all of
the shape and dtype information \nnecessary to reconstruct the array correctly
even on another machine with a different architecture.\nThe format is designed
to be as simple as possible while achieving its limited goals.\nThe .npz format
is the standard format for persisting multiple NumPy arrays on disk.\nA .npz
file is a zip file containing multiple .npy files, one for each array.\n'
```

[4]:
```
a = np.array([
    [1, 3],
    [2, 4],
])

b = np.array([
    [5, 3],
    [9, 4],
])
```

[5]:
```
np.savez('test_save', a, b)
```

[6]:
```
my_file = np.load('test_save.npz')
```

[7]:
```
my_file['arr_0']
```

[7]:
```
array([[1, 3],
       [2, 4]])
```

[9]:
```
np.save('test_save2', a) #used for one array in npy format
```

[ ]:
```

```