hdf5pickle Documentation

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Create easily interfaceable representations of Python objects in HDF5 files. The aim of this module is to provide both

1. convenient Python object persistence
2. compatibility with non-Python applications

Point 2 is useful, for example, if results from numerical calculations should be easily transferable for example to a non-Python visualization program. For example, if program state is serialized to a HDF5 file, it can easily be examined with for example Octave.

CHAPTER 1

Example

```
>>> import numpy as np
>>> import hdf5pickle

>>> class A(object):
...     def __init__(self):
...         self.x = 100.0
...         self.y = np.ones((1000000))
...         self.z = [{'a': None}, A]
...
...     def __str__(self):
...         return 'x=%s, y=%s, z=%s' % (self.x, self.y, self.z)

>>> hdf5pickle.dump(A(), 'a.hdf5')
>>> print(hdf5pickle.load('a.hdf5'))
x=100.0, y=[ 1.  1.  1. ...,  1.  1.  1.], z=[{'a': None}, <class '__main__.A'>]
```

CHAPTER 2

Functions

CHAPTER 3

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