

Basics

ndarray.ndim	number of axes of an array
ndarray.shape	dimensions of an array
ndarray.size	number of elements of an array
ndarray.dtype	type of elements in an array
ndarray.itemsize	elements size of an array

Array Creation

array([1,2,3,4])	array([[1,2,3,4], [5,6,7,8]])
zeros([1,2])	ones([1,2,3]) empty([2,3])
zeros_like(A)	ones_like(A) empty_like(A)
arange(1,10,5)	linspace(1,10,5)
random.rand(3,2)	random.randn(3,2)
fromfunction(...)	fromfile(...)

Basic Operations

A * B	dot(A,B)
A *=b	A +=b
A.sum()	A.min()
A.sum(axis=0)	A.min(axis=0)
A.cumsum(axis=0)	

Universal Functions

sin,cos,exp,log,sqrt



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Page 1 of 1.

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