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## numpy.multiply

numpy.multiply(x1, x2[, out]) = <ufunc 'multiply'>

Multiply arguments element-wise.

Parameters: x1, x2 : array\_like

[0., 4., 10.],

7., 16.]])

[ 0.,

Input arrays to be multiplied.

**Returns: y**: ndarray

The product of x1 and x2, element-wise.

Returns a scalar if both x1 and x2 are

scalars.

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Next topic

numpy.divide

(numpy.divide.html)

点对点相乘,不是 矩阵乘法

## Notes

Equivalent to x1 \* x2 in terms of array broadcasting.

## Examples

行、行点对点相乘

```
>>> x1

array([ 0., 1., 2., 3., 4., 5., 6., 7., 8.])

>>> x1.reshape((3,3))

array([[ 0., 1., 2.],

       [ 3., 4., 5.],

       [ 6., 7., 8.]])

>>> x2=np.arange(3.0)

>>> x2

array([ 0., 1., 2.])
```

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