

combineArrays

This package provides Python CFFI bindings to combine array z of Int32 with an array r of Double and return the result in array y

$y_j = \sum_i z(i \cdot n + j) \cdot r(i \cdot n + j)$, $i=0, \dots, m$, $j = 0, \dots, n$

Documentation

See doc/manual.pdf

Installation

To install type:

```
```python
$ pip install combineArrays
```
```

Usage

```
```python
from combineArrays import combine_arrays_v1
combine_arrays_v1(z, r, y, n, m)
Parameters combine_arrays_v1
m: num rows, int64
n: num columns, int64
z: array 1, NumPy Array, int32
r: array 2, Numpy Array, float
y: reult, Numpy Array, float
```

```
from combineArrays import combine_arrays_v2
combine_arrays_v2(z, r, y, n, m)
Parameters combine_arrays_v2
m: num rows, int64
n: num columns, int64
z: array 1, NumPy Array, int32
r: array 2, Numpy Array, float
y: reult, Numpy Array, float
```

```
from combineArrays import combine_arrays_v3
combine_arrays_v3(z, r, y, n, m)
Parameters combine_arrays_v3
m: num rows, int64
n: num columns, int64
z: array 1, NumPy Array, int32
r: array 2, Numpy Array, float
y: reult, Numpy Array, float
```
```

Test

To unit test type:

```
```python
$ test/test.py
```
```