

Python and Scientific Computing

Notes

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1 Overview

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3 ANOTHER EXAMPLE

```
code = \
"""
for(int i=0; i<nrow; ++i)
    tr += mat(i,i);
"""
inline(code,['mat','nrow','ncol','tr'
```

3 *ANOTHER EXAMPLE*

```
return_val = cross;  
"""  
    return array(inline(code,[
```


3 *ANOTHER EXAMPLE*

```
std::cout << "now by loop\\n";
```


3 ANOTHER EXAMPLE

```
        support_code = support ,
        libraries = ['m'],
    )

def in_place_multNum(num,mat):
    mat = num

from weave import inline
class bunch: pass

def oaccess():
    x=bunch()

    x.a = 1

    code = """ // BROKEN!
    // Try to emulate Python's: print 'x.a',x.a
    =bf
```


[2]