5/3/25, 5:04 PM calculator2.py

Jupyter calculator2.py Last Checkpoint: 23 hours ago

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```
₩
 1 # -*- coding: utf-8 -*-
   """ Calculator program from
 4 https://physicalmodelingwithpython.blogspot.com/2015/09/speeding-up-python-part-1-p
 5
   0.00
 6
   # calculator.py
11
12 #storage is numpy, but calculations use loops
13 # not efficient, mean to illustrate the issues
14
15 import numpy as np
16
   def add(x, y):
17
18
       Add two arrays using NumPy's vectorized operation.
19
       x and y must be two-dimensional arrays of the same shape.
20
       0.00
21
22
       return x + y
23
24
   def multiply(x, y):
25
       Multiply two arrays using NumPy's vectorized operation.
26
27
       x and y must be two-dimensional arrays of the same shape.
28
       return x * y
29
30
31
   def sqrt(x):
32
33
       Take the square root of the elements of an array using NumPy.
34
```