Normalizing a vector

1分

Given p and a vector x in $\mathbb{R}^3$, compute a new vector y so that $y = \alpha x$ and $\|y\|_p = 1$.

Hint: Use `numpy.abs()` to find the absolute value of a number.

Hint 2: Calling `numpy.linalg.norm()` is not allowed.

INPUTS:

- `x`, a numpy array of shape `(3,)`
- `p`, a p value of a norm

OUTPUTS

- `y`, a multiple of `x` so that $\|x\|_p = 1$

评分代码 (点击查看)

起始代码 (点击查看)

回答*

```
1  import numpy as np
```

按F9以打开/关闭全屏模式. 在 用户信息 (/profile/) 中设置编辑器模式.

保存回答　　提交用于评分的回答

(您仍然可以在提交**本问题**后修改回答)