

« Previous (/course/cs357-f15/flow-session/74261/1/)

下一页 » (/course/cs357-f15/flow-session/74261/3/)

结束 »

1 2 3 (/course/cs357-f15/flow-session/74261/0/) (/course/cs357-f15/flow-session/74261/1/)  
4 (/course/cs357-f15/flow-session/74261/3/)

# Solving least-squares problems

1分

You are given a number of data points  $(t_i, y_i)$  in two vectors  $\mathbf{t}$  and  $\mathbf{y}$ .

Set up a matrix  $A$  and a right-hand side vector  $b$  so that the solution  $x = (\alpha, \beta)$  of the least-squares system  $Ax \cong b$  is the best fit (in the 2-norm) to  $y(t) = \alpha + t\beta$  to the given data.

INPUT:  $\mathbf{t}$  and  $\mathbf{y}$

OUTPUTS:  $A$  and  $b$

评分代码 (点击查看)

起始代码 (点击查看)

回答\*

```
1 import numpy as np
2
3 b =
4 A =
```

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)