

The Solution and The Error

1分

Recall the least-squares (https://en.wikipedia.org/wiki/Least_squares#Problem_statement) problem statement.

Suppose we have found a solution x^* to the least squares problem

$$\min_x \|b - Ax\|_2$$

What can be said about x^* ?

选项*

- ☐ x^* is in the nullspace of A
- ☐ $\|b - Ax^*\|_2 = 0$
- ☐ x^* satisfies the equation $Ax^* = b$
- ☐ None of the above

参考答案: 'None of the above'.