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# Measure of Length vs. Measure of Distance

1分

A norm can be used to measure the length of a vector  $x$  by calculating  $\|x\|$ . To calculate the distance between two points given by position vectors  $x$  and  $y$ , one would use:

选项\*

- ☐  $\|x\| + \|y\|$
- ☐  $|\|x\| - \|y\||$
- ☐  $\|x + y\|$
- ☐  $\|x - y\|$
- ☐  $\|x\| - \|y\|$

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