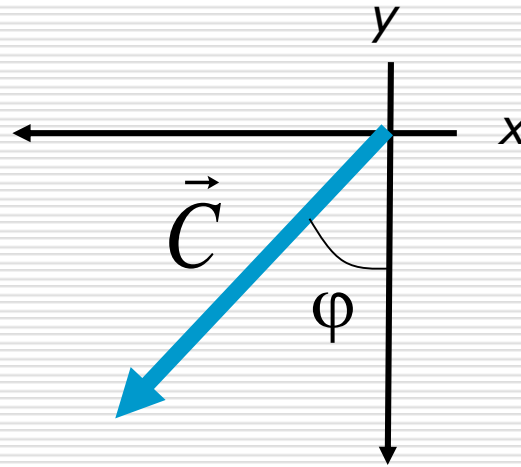


If each component of a vector is doubled, what happens to the angle of that vector?

- A. it doubles
- B. it increases, but by less than double
- C. it does not change
- D. it is reduced by half
- E. it decreases, but not as much as half

Angle φ that specifies the direction of \vec{C} is given by



- A. $\tan^{-1}(C_x/C_y)$
- B. $\tan^{-1}(C_x/|C_y|)$
- C. $\tan^{-1}(|C_x|/|C_y|)$
- D. $\tan^{-1}(C_y/C_x)$
- E. $\tan^{-1}(C_y/|C_x|)$