

How to write custom functions for tVar Calculating the angle between two vectors

$$\vec{a}_n = \frac{\vec{a}}{\sqrt{\vec{a} \cdot \vec{a}}} = \begin{pmatrix} 1,000 \\ 0,000 \\ 0,000 \end{pmatrix} \quad (1)$$

$$\vec{b}_n = \frac{\vec{b}}{\sqrt{\vec{b} \cdot \vec{b}}} = \begin{pmatrix} 0,707 \\ 0,707 \\ 0,000 \end{pmatrix} \quad (2)$$

$$\alpha = \deg(\text{acos}(\vec{a}_n \cdot \vec{b}_n)) = 45,000 \quad (3)$$

Calculating the angle between two vectors with custom functions

$$\vec{a}_n = \text{norm}(\vec{a}) = \begin{pmatrix} 1,000 \\ 0,000 \\ 0,000 \end{pmatrix} \quad (4)$$

$$\vec{b}_n = \text{norm}(\vec{b}) = \begin{pmatrix} 0,707 \\ 0,707 \\ 0,000 \end{pmatrix} \quad (5)$$

$$\alpha = \deg(\text{acos}(\vec{a}_n \cdot \vec{b}_n)) = 45,000 \quad (6)$$