

The Right Triangle

Base Geometry

Let the right triangle (x_1, y_1) hypotenuse be aligned with the coordinate system x -axis. The vector loop closure equation running counter-clockwise then reads

$$a\mathbf{e}_\alpha + b\tilde{\mathbf{e}}_\alpha + c\mathbf{e}_x = \mathbf{0} \tag{1}$$

with
aaa

$$\begin{aligned} x+5 &= 30 \\ x+5-5 &= 30-5 \\ x &= 25 \end{aligned}$$

asdasd