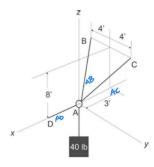
Evaluar las frecas a las que está sujetos los rables del sistema que se nuestra en la fig.ne.1. Calcule la tengian en cada colore.

Puntos: A= (0,0,0) B= (-3,4,8) C= (-3,4,8) D= (3,0,0)



$$AB = \begin{bmatrix} -3 & 4 & 8 \end{bmatrix}$$

 $AC = \begin{bmatrix} -3 & 4 & 8 \end{bmatrix}$
 $AD = \begin{bmatrix} 3 & 0 & 0 \end{bmatrix}$

figura 1

$$\widehat{F}_{AB} = \frac{\widehat{AB}}{|\widehat{AB}|} = \frac{(-3\cancel{1} - 4\cancel{1} + 8\cancel{k})}{9.43} = -0.318\cancel{3} - 0.424\cancel{1} + 0.848\cancel{k}$$

$$\overline{F}_{Ae} = \underbrace{AC}_{|AC|} = \underbrace{(-37 + 47 + 92)}_{9.43} = -0.3187 + 0.4247 + 0.8482$$

$$\overrightarrow{FAD} = \frac{\overrightarrow{AD}}{|\overrightarrow{AD}|} = (3\overrightarrow{\lambda} + 0\overrightarrow{\gamma} + 0\overrightarrow{k}) = 1\overrightarrow{\lambda} + 0\overrightarrow{\gamma} + 0\overrightarrow{k}$$

ZFx=0j

ΣF2=0j