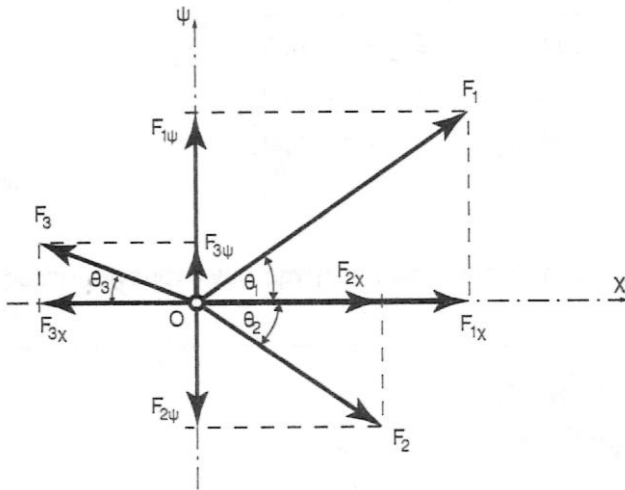


ΑΝΤΟΧΗ ΥΛΙΚΩΝ - ΣΥΝΘΕΣΗ ΔΥΝΑΜΕΩΝ

A)

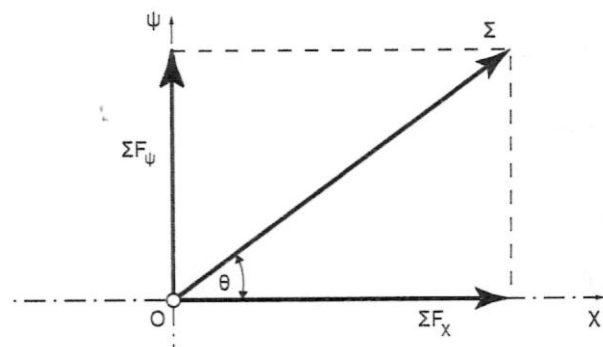


$F_{1x} = F_1 \cdot \sigma\upsilon\nu\theta_1$	$F_{1\psi} = F_1 \cdot \eta\mu\theta_1$
$F_{2x} = F_2 \cdot \sigma\upsilon\nu\theta_2$	$F_{2\psi} = F_2 \cdot \eta\mu\theta_2$
$F_{3x} = F_3 \cdot \sigma\upsilon\nu\theta_3$	$F_{3\psi} = F_3 \cdot \eta\mu\theta_3$

B)

$$\Sigma F_x = F_{1x} + F_{2x} - F_{3x}$$

$$\Sigma F_\psi = F_{1\psi} - F_{2\psi} + F_{3\psi}$$



Γ)

$$\Sigma = \sqrt{(\Sigma F_x)^2 + (\Sigma F_\psi)^2}$$

$$\epsilon\varphi\theta = \frac{\Sigma F_\psi}{\Sigma F_x}$$