



$$H = 3\alpha$$

$$l = 3\alpha.$$

F, φ

Zusatz

s_1, s_2, s_3

Tourpordia (ayoi $\vec{F}_2 - \vec{F}$ or $\vec{F}_2$ or $\vec{F}$)

$$(2N_E \Rightarrow \frac{F \cos \theta \cdot \frac{a}{2}}{F \cos \theta} - \frac{S_2 a}{F} = 0 \Rightarrow$$

$$\Rightarrow S_2 = \frac{F_{\cos \phi}}{2} = 0.5 F_{\cos \phi}$$

$$\uparrow \sum F_y = 0 \Rightarrow F \sin \phi - S_L \sin \psi = 0 \Rightarrow$$

$$\Rightarrow S_2 = F \frac{\sin \phi}{\sin \psi}$$

$$\gamma = \tan^{-1} \frac{\frac{3\alpha}{2}}{3\alpha} = 26.56^\circ \quad \begin{cases} \cos \gamma = 0.894 \\ \sin \gamma = 0.447 \end{cases}$$

$\Delta E \Sigma$
(μsrd and 70% Ritter)

$$S_1 = 2.24 F \text{ mm}$$

$$\rightarrow \sum F_x = 0 \Rightarrow F \cos \theta - S_1 \sin \theta - S_2 = S_3 \Rightarrow$$

$$\Rightarrow \underline{S_3 = F \cos \theta - 2.0 F \sin \theta - 0.5 F \cos \theta = 0.5 F \cos \theta - 2 F \sin \theta}$$