



$$a_n = 750 \text{ m/s}^2$$

$$a_t = 180 \text{ m/s}^2$$

$$\theta = \tan^{-1} \left(\frac{180}{750} \right) = 13.49^\circ$$

$$\delta = \tan^{-1} \left(\frac{750}{180} \right) = 76.5^\circ$$

from
horizontal

from vertical