



$$\tan \alpha = \frac{L}{D_\alpha}$$

$$D_\alpha = L \frac{1}{\tan \alpha}$$

Known

$$X = \frac{\sqrt{(\quad)^2 + (\quad)^2}}{2}$$

Known

$$\frac{y_t - y_0}{2X} = \cos \beta = \frac{X}{D_\alpha}$$

$$D_\alpha = \frac{2X^2}{(y_t - y_0)}$$

$$\tan \alpha = \frac{L (y_t - y_0)}{2X^2}$$