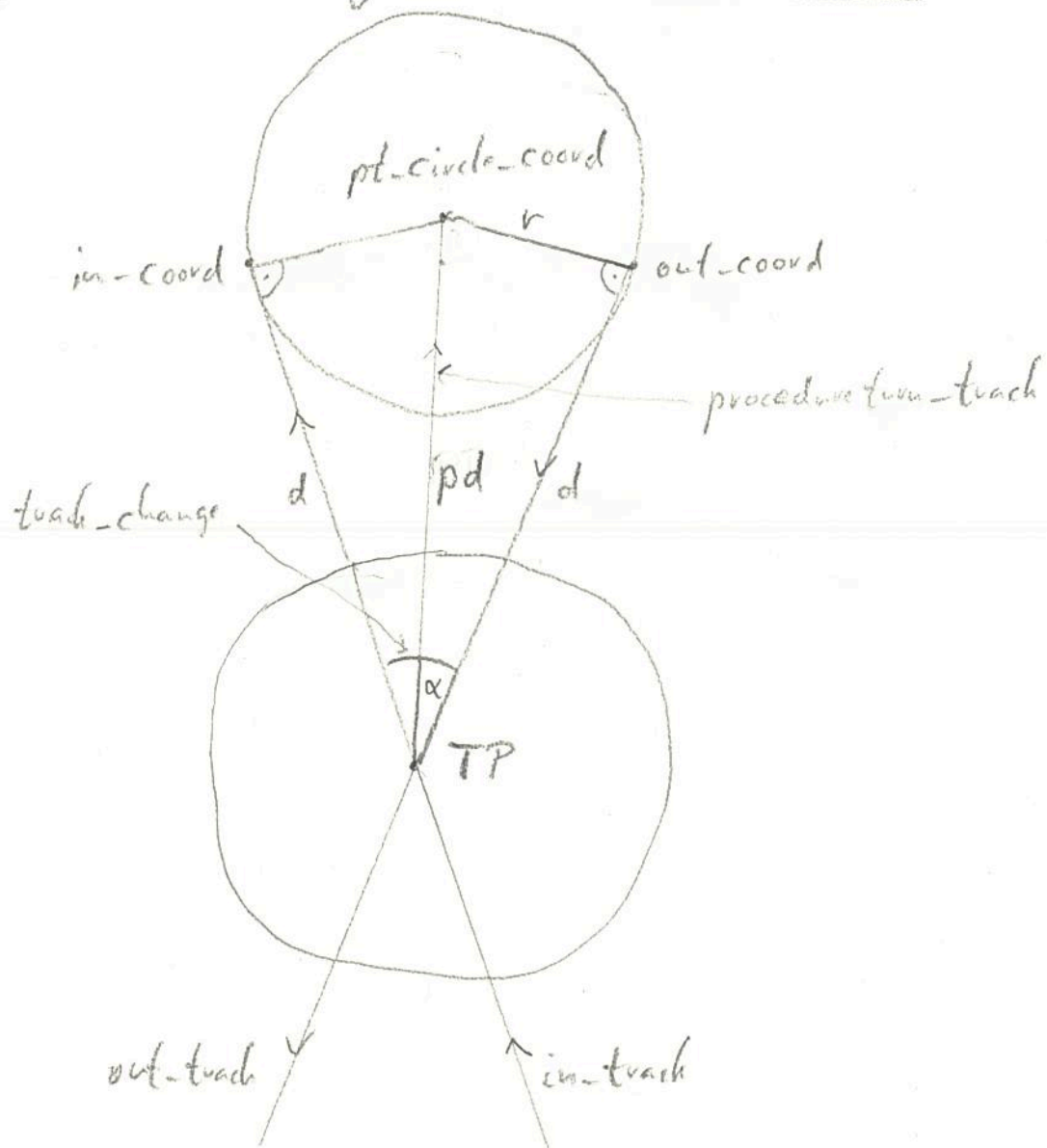


# Aviation Math, get Procedure Turn Circle



pd = Procedure Turn Distance

$\alpha = \text{trach-change} / 2$

$$\frac{pd}{\sin 90^\circ} = \frac{r}{\sin \alpha}$$

$$r = pd \cdot \sin \alpha$$

$$d = \sqrt{pd^2 - r^2}$$

$$pd^2 = r^2 + d^2$$

$$d = \sqrt{pd^2 - r^2}$$