

$$\begin{pmatrix} x \\ y \\ z \end{pmatrix} = A + k \cdot \vec{u} + l \cdot \vec{v}$$

$$A(1, 1, -1)$$

$$\vec{u} = \begin{pmatrix} 1 \\ 2 \\ -1 \end{pmatrix}$$

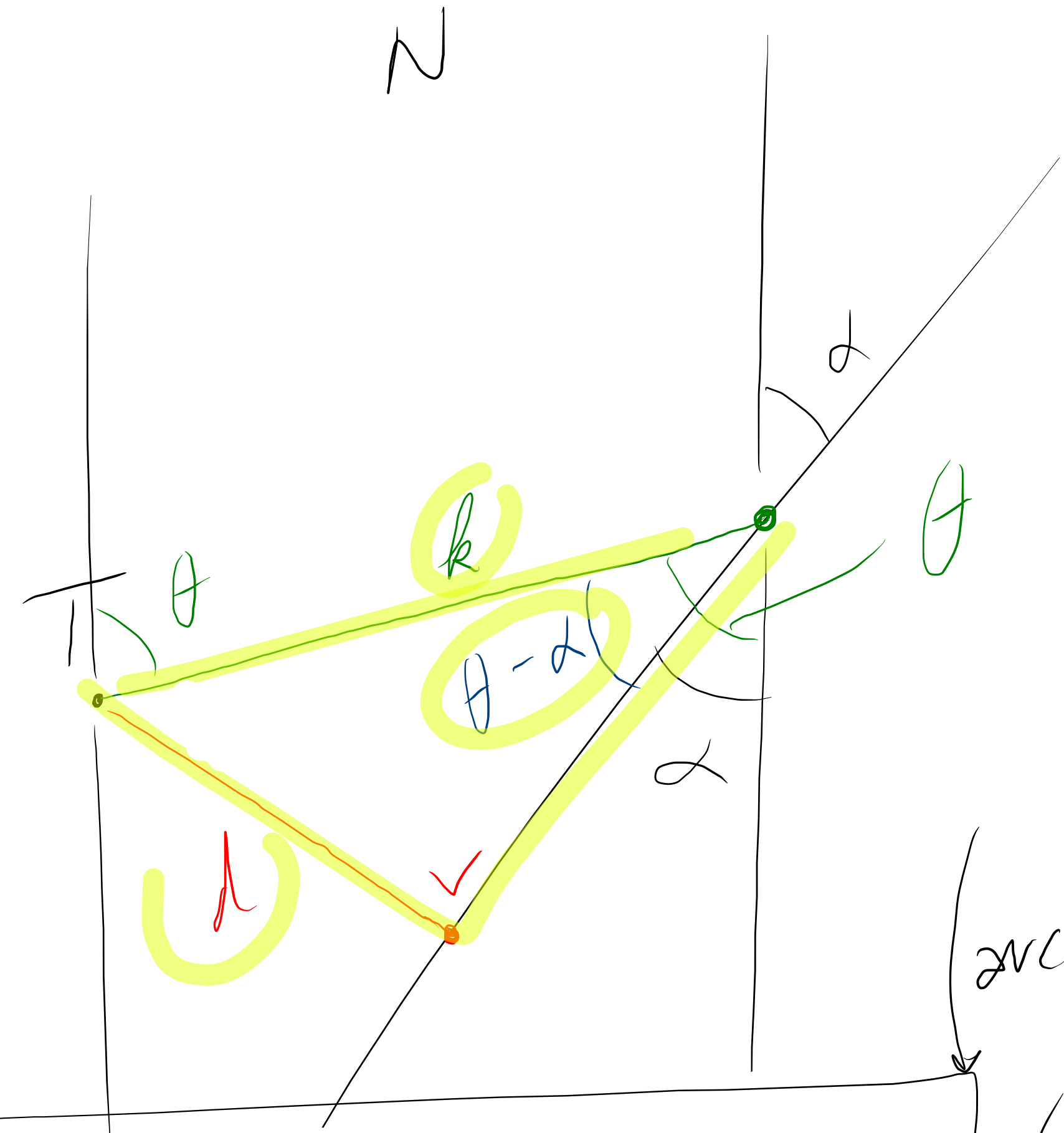
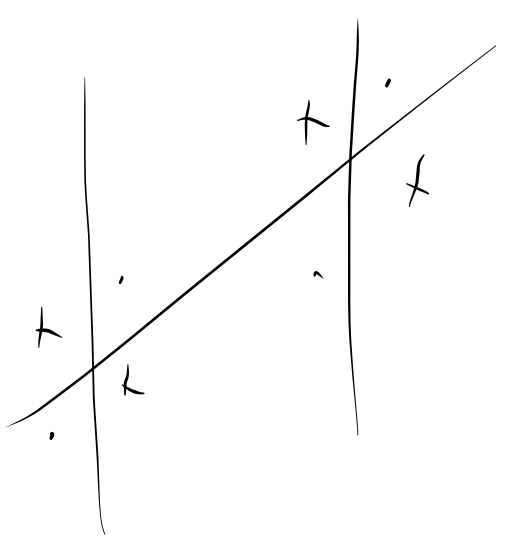
$$\vec{v} = \begin{pmatrix} -2 \\ -2 \\ 1 \end{pmatrix}$$

$$\begin{pmatrix} x \\ y \\ z \end{pmatrix} = \begin{pmatrix} 1 \\ 1 \\ -1 \end{pmatrix} + k \begin{pmatrix} 1 \\ 2 \\ -1 \end{pmatrix} + l \begin{pmatrix} -2 \\ -2 \\ 1 \end{pmatrix}$$

$$\begin{cases} x = 1 + k - 2l \\ y = 1 + 2k - 2l \\ z = -1 - k + l \end{cases}$$

$$\begin{cases} x + z = -l \\ y + 2z = -1 \\ z = -1 - k + l \end{cases}$$

$$y + 2z + 1 = 0$$



$$\sin(\theta - \alpha) = \frac{d}{k}$$

$\arcsin$

$$\theta - \alpha = \arcsin \frac{d}{k}$$

$$\alpha = \theta - \arcsin \frac{d}{k}$$

$$0 = 1 - \frac{1}{\sqrt{1 - \frac{d^2}{k^2}}} \cdot \frac{d}{k^2} \cdot \frac{dk}{d\theta}$$

