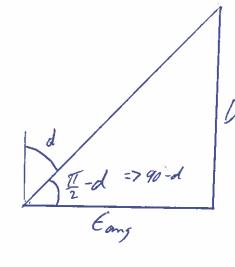


Find
$$f = \phi_{hole} \pm \gamma - \alpha$$
 $f = \phi_{hole} \pm \gamma - \phi_{needle}$
 $f = \phi_{hole} \pm \gamma - \phi_{needle}$
 $f = \phi_{hole} \pm \gamma - \phi_{needle}$
 $f = \phi_{hole} \pm \gamma - \phi_{hole}$
 $f = \phi_{hole} \pm \gamma$
 $f = \phi_{h$

$$b = 90^{\circ}-d$$

An $sin(b) = \frac{q_{needle}}{a}$
 $a = \frac{q_{needle}}{sin(90^{\circ}-d)}$

Then (d) =
$$\frac{1}{\sqrt{\ln x}} - \frac{1}{\sqrt{\ln x}} - \frac{1}{\sqrt{\ln x}} = \frac{1}{\sqrt{\ln x}} - \frac{1}{\sqrt{\ln x}} = \frac{1}{\sqrt{\ln$$



$$\epsilon_{ang} = \frac{D}{tan} \left(\frac{T}{2} - d \right) = \frac{D}{\epsilon_{ang}}$$

$$\epsilon_{ang} = \frac{D}{tan} \left(\frac{T}{2} - d \right)$$

Calculate E = Eang-a + Phole

· hole diam

· tolevance hale 7

· Oneedle

Plat this for 110 Procedle