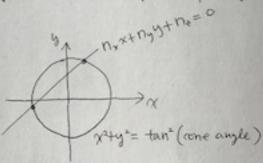


-X-Haw to find the intersection of a cone and a plane passing through the apex of the cone.





$$n_x x = -n_y y - n_z$$
, $x = -\frac{n_y}{n_x} y - \frac{n_z}{n_x}$

$$\left(\frac{n_y}{n_x}y + \frac{n_z}{n_x}\right)^2 + y^2 = \tan^2(\text{cone anyle})$$

$$\left(1 + \frac{n_y^2}{n_x^2}\right) y^2 + \frac{2n_yn_z}{n_x^2} y + \frac{n_z^2}{n_x^2} - \tan^2\left(\text{cone angle}\right) = 0$$