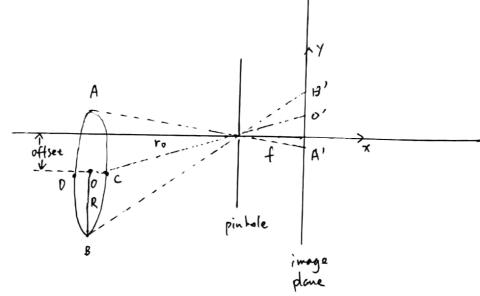


P, Ca



$$\frac{R + offset}{r_0} = \frac{Y_B'}{f} \bigcirc \qquad \frac{offset}{r_0} = \frac{Y_0'}{f} \bigcirc \qquad \frac{R - offset}{r_0} = \frac{Y_A'}{f} \bigcirc$$

Therefore, all points on the edge of this disk will have proportional ()

distance to o' (on image place) or o (on disk). Therefore is so also

transported to the activate. However, drawn because there is so also

an unknown offset (come into or out of the payer), so also

an unknown offset (come into or out of the payer), so also

an unknown offset (come into or out of the payer), so also

an unknown offset (come into or out of the payer), so also

an unknown offset (come into or out of the payer), so also

are always hold. Therefore, the image form is circular (it can be oval

or ellipse).

(b) diameter
$$f$$
 disk = R . = $\frac{R'}{r_0}$ = $\frac{R'}{f}$ = $\frac{R'}{r_0}$ = $\frac{R'}$

Aven =
$$\pi r^2 = \pi R^2$$

Aven' = $\pi R^{12} = (2R)^2 \pi r^2$

= $4\pi R^2$

Conzhe Don

C) it will still be a circle. The shape of the image on the image plane is only determined by the edge point on the object. Since sphere has edge points with some disease from the centere, it will always be a circle.

2 .

Not I To

A point in 3D space is L=Q+入極L line

L=1/2 /2

Vanishing police = lim L = fthrong (ftx, ftx)