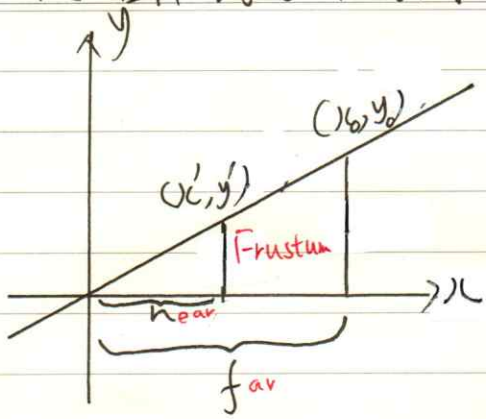
No.
Date . .

视椎体到长体推导



设 $y = kx$.

$\therefore y_0 = kx_0 = kf$

$y' = kx' = kn$

$\therefore \frac{y'}{y_0} = \frac{kn}{kf}$

$\frac{y'}{y_0} = \frac{n}{f}$

$y' = \frac{n}{f} y_0$

推广到普遍场景：

$\therefore \begin{cases} y' = \frac{n}{z} y \\ x' = \frac{n}{z} x \end{cases}$

$\therefore \begin{pmatrix} x \\ y \\ z \\ 1 \end{pmatrix} \times M_{persp \to ortho}^{(4\times4)} = \begin{pmatrix} \frac{n}{z}x \\ \frac{n}{z}y \\ unknown \\ 1 \end{pmatrix} \xrightarrow{\text{都除 } z} \begin{pmatrix} nx \\ ny \\ unknown \\ z \end{pmatrix}$