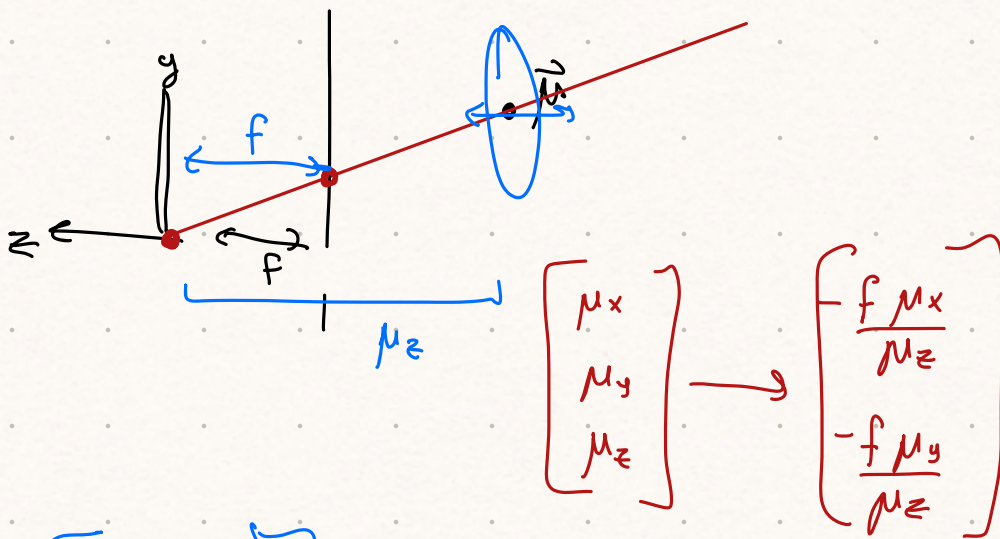


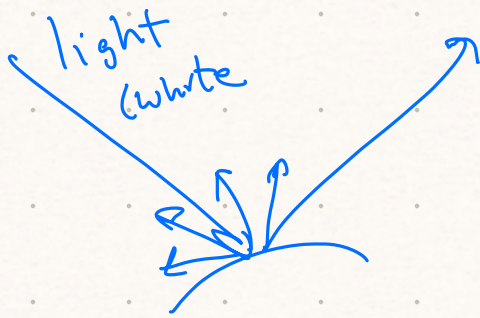
$$\mu = \begin{bmatrix} \mu_x \\ \mu_y \\ \mu_z \end{bmatrix} \sim \mu$$

$$\Sigma = \begin{bmatrix} \sim & \sim & \sim \\ \sim & \sim & \sim \\ \sim & \sim & \sim \end{bmatrix} \sim \sigma$$

Suppose we're in camera 3D coords



$$\Sigma \xrightarrow{\text{(in 3D)}} \frac{-f}{\mu_z} \Sigma_{1:2, 1:2} \text{ (in 2D)}$$



$$f(\downarrow, \uparrow)$$

BRDF

bidirectional radiance distribution function