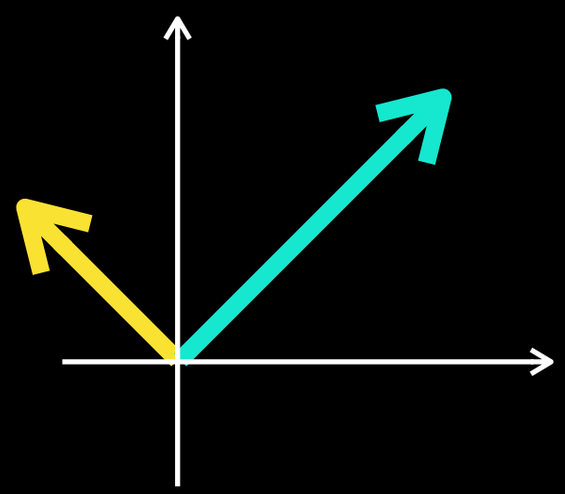
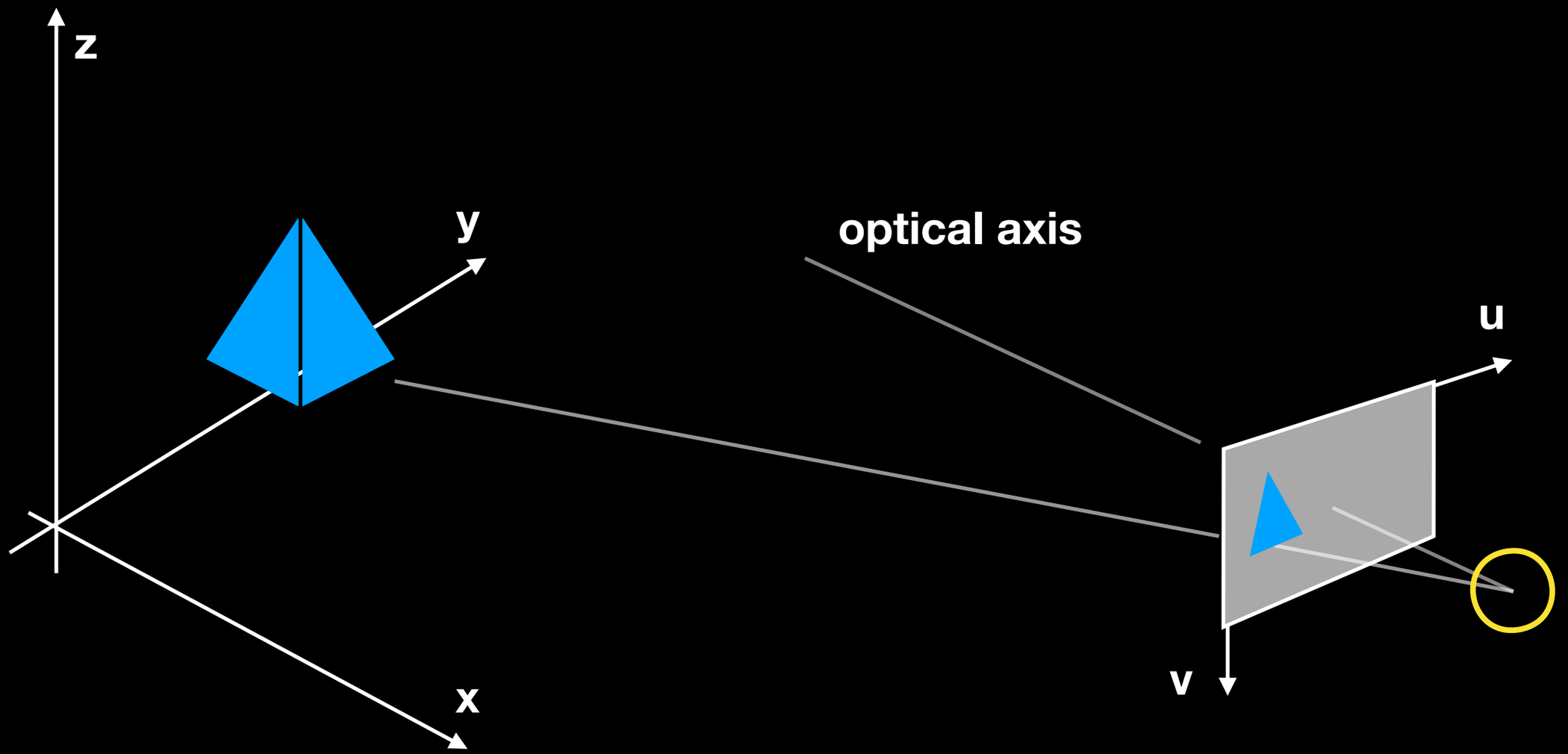
3D / 2D projection

Linear Algebra Essentials

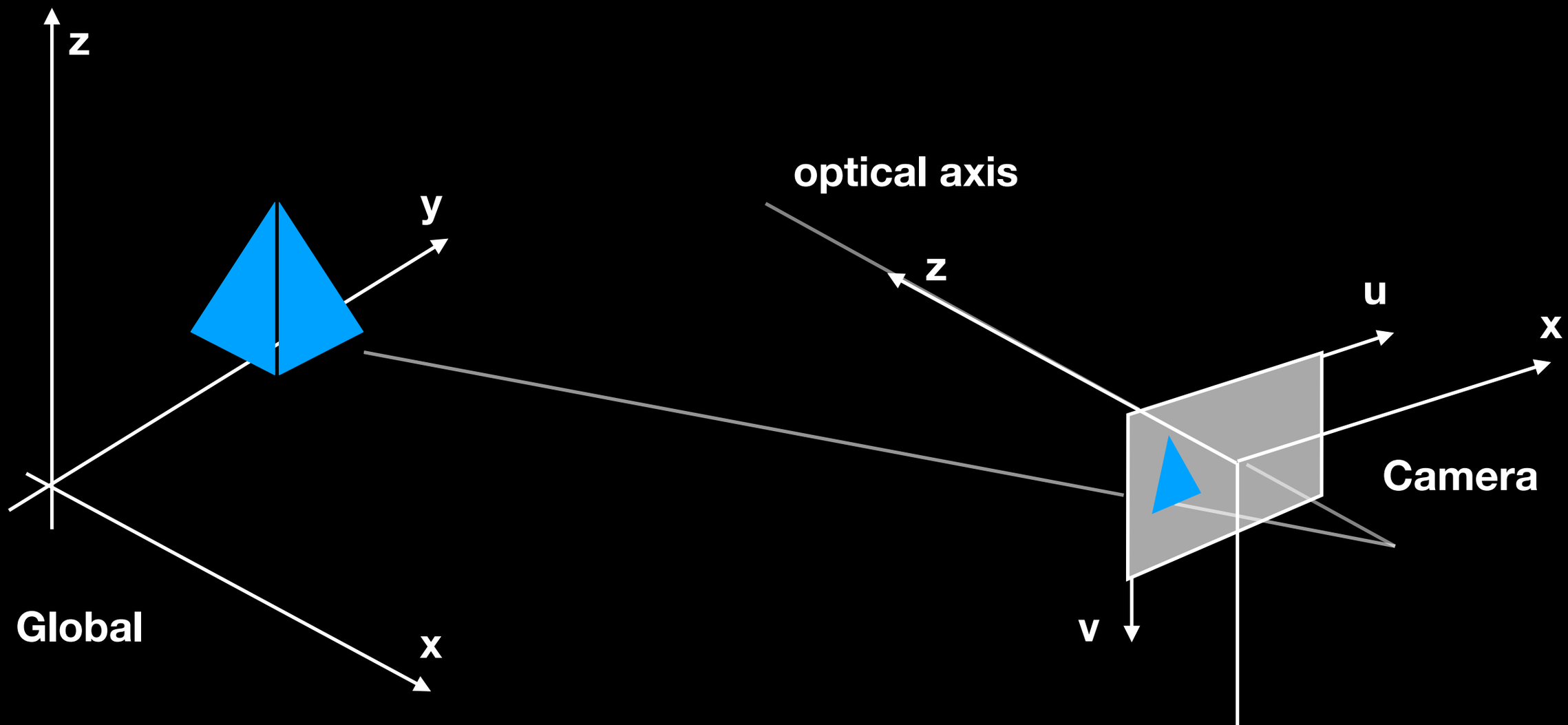


3D - 2D projection



$$\begin{bmatrix} x \\ y \\ z \end{bmatrix} \rightarrow \begin{bmatrix} u \\ v \end{bmatrix}$$

3D - 2D projection



$$\begin{bmatrix} X \\ Y \\ Z \end{bmatrix}_G \rightarrow \begin{bmatrix} X \\ Y \\ Z \end{bmatrix}_{cam} \rightarrow \begin{bmatrix} u \\ v \end{bmatrix}$$