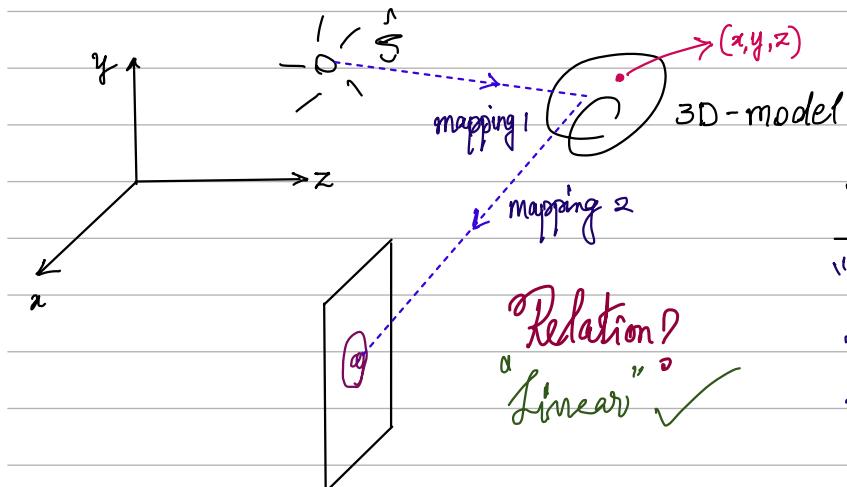


EE702: Lec-2 (10 Jan)



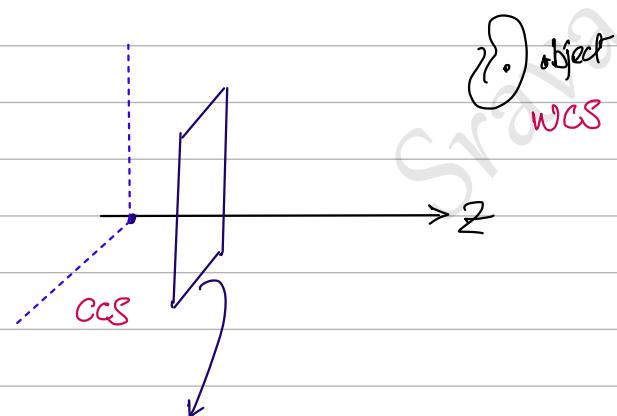
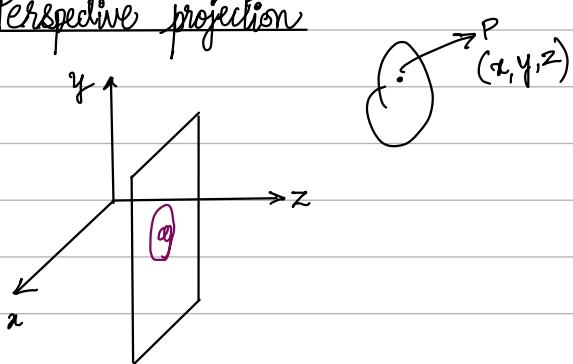
Photometric Mapping

"How much of light that falls here, comes to this point"

Relation?
"Linear" ✓

"Reflectivity, if treated as a fn, varies with the point on surface"

Perspective projection



CCS WCS

$$\begin{aligned} x &= x \\ y &= y \end{aligned}$$

↳ no more dimensions!

$$X = f \frac{x}{z}$$

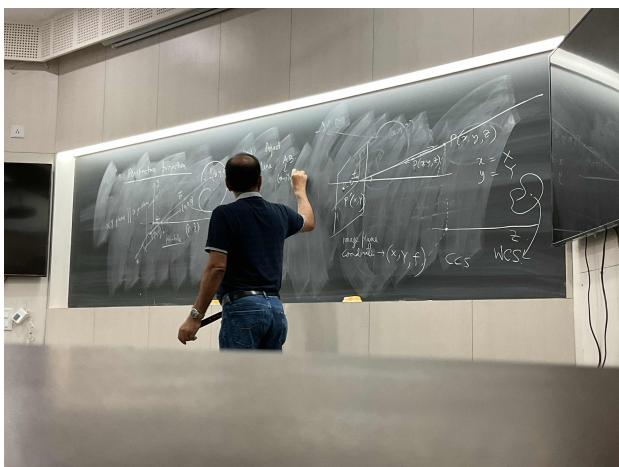
H.W. object $\rightarrow (x_1, y_1, z_1) \leftrightarrow (x_2, y_2, z_2)$

- 1] Line AB
- 2] CD || AB

Vanishing point?

- 3] ABCDE

(Upon shifting lens, 2 img $\begin{matrix} a' b' c' d' e' \\ a'' b'' c'' d'' e'' \end{matrix}$ relat.?? by $d' \rightarrow d''$??)



4] What on earth is their "cross-ratio" ?! 
 (It's there in perspective geometry, as well as music)

