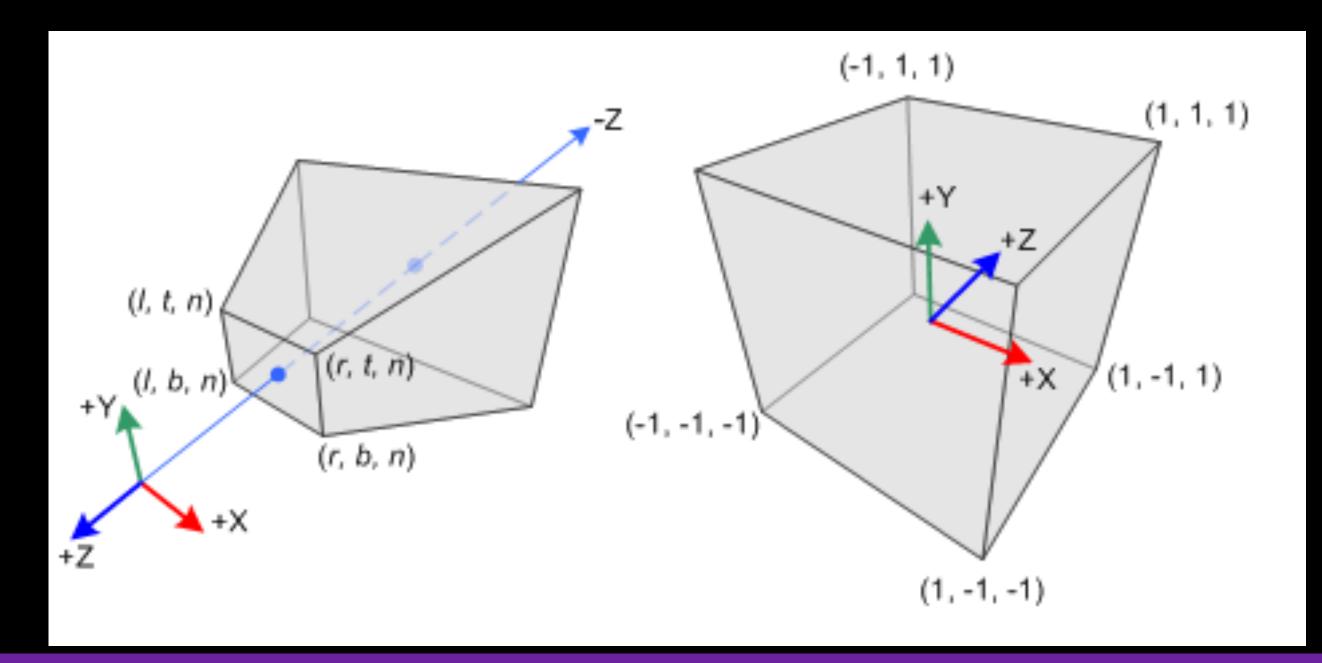
PERSPECTIVE PROJECTION

$$P = \begin{cases} 2n / (r-1) & 0 & (r+1)/(r-1) & 0 \\ 2n / (t-b) & (t+b)/(t-b) & 0 \\ 0 & 0 & -(f+n) / (f-n) & -2fn/(f-n) \\ 0 & 0 & -1 & 0 \end{cases}$$

for r = right, l=left, u=up, d=down, n=near, f=far planes defining the cube that is of interest



PERSPECTIVE PROJECTION

 Perspective projection matrices are often specified as field of view (fov) and aspect ratios instead:

for f = cotangent(fov / 2), a = aspect ratio