

$$\mathbf{p} = b_0 \mathbf{p}_0 + b_1 \mathbf{p}_1 + b_2 \mathbf{p}_2$$

$$\mathbf{p}' = b'_0 \mathbf{p}'_0 + b'_1 \mathbf{p}'_1 + b'_2 \mathbf{p}'_2$$

image plane

camera origin

