

col j col $j+1$

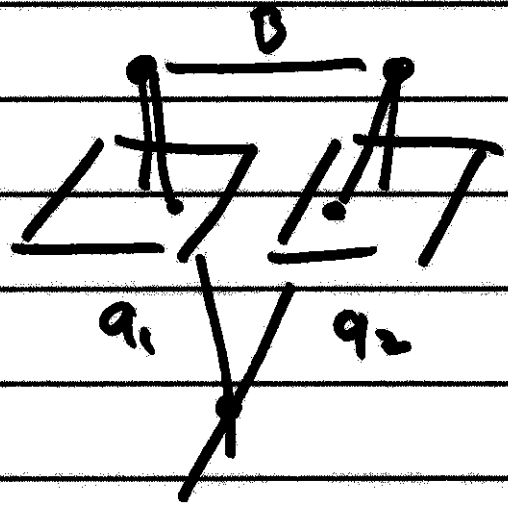
$$t_1 = g_{i,j+1} \cdot cf + g_{i,j} \cdot (1 - cf)$$

$$t_2 = g_{i+1,j+1} \cdot cf + g_{i+1,j} \cdot (1 - cf)$$

$$\underline{\underline{\text{interp}}} = t_2 \cdot rf + t_1 \cdot (1 - rf)$$

0-255

Alternative to Coplanarity Equations



$$a: \begin{bmatrix} a_x \\ a_y \\ a_z \end{bmatrix} \quad b: \begin{bmatrix} b_x \\ b_y \\ b_z \end{bmatrix}$$



$$b \cdot (a_1 \times a_2) = 0$$

$$K: \begin{bmatrix} 0 & -b_z & b_y \\ b_z & 0 & -b_x \\ -b_y & b_x & 0 \end{bmatrix}$$

$$K \vec{a} = \vec{b} \times \vec{a}$$

20-3

$$\begin{pmatrix} x-x_0 \\ y-y_0 \\ -f \end{pmatrix} = K M \begin{pmatrix} x-x_c \\ y-y_c \\ z-z_c \end{pmatrix}$$

$$\frac{1}{K} \begin{pmatrix} x-x_0 \\ y-y_0 \\ -f \end{pmatrix} = \frac{1}{K} \begin{bmatrix} 1 & 0 & -x_0 \\ 0 & 1 & -y_0 \\ 0 & 0 & -f \end{bmatrix} \begin{bmatrix} x \\ y \\ 1 \end{bmatrix} = M \begin{pmatrix} x-x_c \\ y-y_c \\ z-z_c \end{pmatrix}$$

C

a

$$a_1 \cdot \underbrace{(b \times a_2)}$$

$$a_1^T K b a_2$$