



Now, to find a, no, yo (0,0,0) -> (0,0) 0 = x(0) + x0. 0 = x(0080 - 0800) + yo 20, yo = 0 (1,0,0) -) (3,0) 3 = x(1) + x here xo = 0 0 = x(00000 - 0 8 no) + yo here yo = 0 1. X=3, x=0, y=0

Due to consistent perspective, shadows, and lighting captured illusion occurs in your brain as you move anound. This illusion gives The impression your movements, even though The image remains static. tus: These objects are so far away that their relative positions do not significantly change as we move boutantally as constant thus they appear stationary. Since our eyes are not fixed in a single orientation, these abjects do change with profation. As we protate, the discussion in in the apparent voverent or rotation. 3) M'erros images: comparing fundamental materix let x be a point on the object.

Re x be the point on the reflect. Rt -> 3D reflection for camera, the points are, PX, PRX Rt = H (oT 1) H-1 H > euclidean forans jogmation D = diag (-1,1,1) H = (R t) toking, P= K[I|0] PR+ = K[I|0]HAH-1

=> now, PR; = K[RART|-RART++t] = K[RART|R[RTt] here $\Gamma = I - N Z \begin{pmatrix} 2 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$ the coveres ponding canonical converses will be, [TIO] K[RNRTK-1|R[RTt] the fundamental matrix relating F = [KRTRT t] X KRARTK-1 to check if it is skew-symmetric xTfx = 0 should hold to => xTFx = xT[KRTRTt], KRARTK-1x = (K-1x)T[RTRTt], RART(K-1x) > substituting K'x = n' x'T [RTRTt] x RARTN' now, checking if [R[RT+] RART
is skew symmetric R[[RTt]x 1RT > show-symmetric as [[RTE]x = (000) : we can conclude that suference: Immensely Happy ch lobal labely & Daviv