Robotic VISION ASSIGNMENT #3 RAGHAVENDRA SRIRAM #1000854840. A1 ct = [4,-1,3] fsrow () "R = Ry, - 7/2 $ct = [-4, 1, 3]^T$ cR = Ry = T/2 $\frac{c}{c}R = \left[\begin{array}{ccc} \cos \beta & O & \sin \beta \\ O & I & O \\ -\sin \beta & O & \cos \beta \end{array}\right]$ ce = [0 0 1] \(\frac{4}{ct} \) = [0 3 1]

| 0 1 0 | \(\frac{4}{-1} \) = [0 3 1] Given $K = \begin{cases} 100 & 0 & 250 \\ 0 & 100 & 250 \end{cases}$ Now we know E = [ct] cR : E = | 0 3 1 | 0 0 1 | -1 3 0 -3 0 4 | 0 1 0 = | 4 0 -3 L -1 4 0 | -1 0 0 | 0 4 -

To find co-ordinates in pixels for epipoles e & e' corresponding to {c} & {c'}, the condition is E. pe = 0 \ ET. pe' = 0 \ e = K. Pe \ e' = K. Pe' Pe = null(E), Pe = Pe 1 Pe (3); P = K* Pe; using the above lines of code is mathab, we find e = [125, 225]T \(e' = [333.33, 216.67] \(\)