Consider the robot shown below The kinematic relationship for this robot in the local coordinate frame can be written as V: linear velocity of wheels [m/s For our robot By taking the inverse of the matrix M above, we get rpm2=3.023 x-1.7453 y-0.0632 0 rpm, = 3.4907 j= 6.66320 rpm3 = -30230 gr - 1.7453 j -0.66320 By choosing any desired relocity in the 91-direction (91), in the y direction (y) or the rate of change (i), you can calculate the angular required motor inputs.