



4 heeled Mecanum Robot > Forward Minematic. Hed to very Note: y = 45° means top coller of Meening Uheel has its axis

y = y = 45° and y = y = -45° 1 = 12 = 19 = 14 = 1 is the radius of wheel Also ignoring R(O) for the moment to find & M.r.t. robot chassis ag = 180° - a, , az = 180° + x, , xy = - 00, Also B = 90°-00, B=-B, B=B, B4=-B, Also l= l2=l3=l4=l is length from center of robot chassis to Wheel Aderived in [2] In Eq. 14, 15, and 16 Define Robot Parameters as defined in Table 1(2) where I and love Formad Minematis is ... and Inverse Minematics is 9= Jf J2 8 E = Jr 324 Need to verify!!!!