

2.2 continued

Controlle: [= N+JT(05+ H(04-Je))

"= "R. ("X)+ K.S (\$ + (I-S)(K) E+K.) (F) - K. (X)

Ly the constraint frame should more with the tool assumm the tool mores with the screw, this would been the natural and thus artifred constraints the same even as motion occurs.

ionvenience)

the wrist is the 10th frame of this robot the measured force and borgue will be in the nin frame not the constraint frame! Thus to be complered to the force inthe constraint frame it will be necessary to perform coordinate transformation

coordinate transforms would be used to go from As shown in 2.2 the nin frame to the constraint frame, meetlementeestly:

CE = CRNOF

Do note the foremunual use = = = = R nz + Gan x Rnf when Folian is the interment between the constrained and not frame.

nF = ["Fx Fy Fz Tx "Zy "Zz] CF = [Fx Fy Fa (Tx CTy CZ)]