Danish Soelli 201331202 Mobile Robotics

Ansl') Robot is heading along 2-anis of Grame G

a for multiple transform

 $X_G = \left[\begin{array}{ccc} T_R^G & T_{R_2}^G & - & - & - & - & T_{R_1} \end{array} \right] \left[\begin{array}{c} \chi_{R_1} \\ \chi_{R_1} \\ \chi_{R_2} \end{array} \right]$

where TR9 = Casle - Sole o tra Sole Casole o try o 0 1 0 0 1 1

Her for first 2 seconds

TRI = CONT Short 0 24] -Smwt CORWT

where W = T 2 + 2 2×1 Vasivitat $2 \cdot y_1 = \int v_8 n v + dx = \frac{2\pi}{17} \left(1 - \cos y\right)$

To be flower of the service of the s -32 8m m/c デ (1-405 年) for west two sec, Thwt=-15, 01=20805 $y_2 = -\frac{20}{17} \left(1 - \frac{\cos 5}{5} \right)$ Tes, where, $\alpha_3 = 6$ 150 The last makes [my] =) mr =) npt wrt to you from =) 15 802 17 4= 15 (1-cosof) Or = at here wt= 2th 0 20 my (1-cos 1)/1 (cos 1 $\chi_{0} = \begin{bmatrix} \cos \Omega & -\sin \Omega \\ 8\pi \pi / c & -\cos \pi / c \\ 0 & 0 \end{bmatrix}$ 0010 | [= (1-cm)] XG = [15 8 25 + 40 8 5 + 6]

15 (1-const) + 40 [1-const)

21/5 , Yr = 5-730 , Om = 10° = 18-024

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