?

Monte Carlo

????

$$v_c = \frac{\omega_{motor}}{644 \cdot r}$$

(1)

$\delta_{lf}, \delta_{rf}, \delta_{lr}, \delta_{rr}$
??

δ_f, δ_r
????
β
C
??

β
δ_f, δ_r
C
v_c
v_x, v_y
ω_c
????

?
$X_i = X_{i-1} + \Delta d \cdot \cos(\Theta_{i-1} + \frac{\Delta\Theta}{2} + \beta_{i-1} + \frac{\Delta\beta}{2})$
$Y_i = Y_{i-1} + \Delta d \cdot \sin(\Theta_{i-1} + \frac{\Delta\Theta}{2} + \beta_{i-1} + \frac{\Delta\beta}{2})$
$\Theta_i = \Theta_{i-1} + \Delta\Theta$
$\Delta d = v_c \cdot \Delta T$
$\Delta\Theta = \omega_c \cdot \Delta T$

??
$yaw, pitch, roll$
a_x, a_y, a_z
u_x, u_y, u_z
X, Y, Z

$q = [x, y, z, roll, pitch, yaw]$

$_a nd_t m.png[2D.]2D[\textbf{?}].$

?
?
?

$_s lam_d iagram.png[CRSM-SLAM.]CRSM-SLAM[\textbf{?}].$

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