

Autonomous Mobile Robots

Janis Hutz
<https://janishutz.com>

March 1, 2026

1 Locomotion & Kinematics

1.1 Positioning

D 1.1.1 (Position Vector) ${}^W t_B = {}^W t_W t_B$, Original Frame, End point, Target Frame

D 1.1.2 (State vector) x_R : x, v of rob in W , pos of sensors