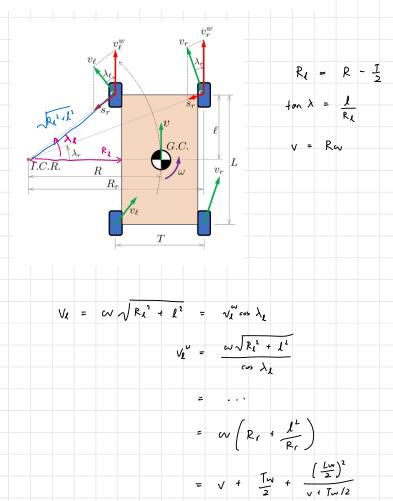
Ex4) Tracked Wheel Model

• For the 4W differential drive shown in the previous slide, find the equation for left wheel to drive the G.C. at v and ω .



 $u_{k} = \frac{v_{k}}{\Gamma} = \frac{1}{\Gamma} \left(v + \frac{\tau_{\omega}}{2} + \frac{\left(\frac{L\omega}{2}\right)^{2}}{v + \tau_{\omega}/2} \right)$