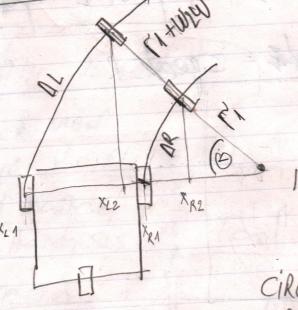
oppoppoppoppoppoppoppop Rotation Matrix Tidet $y_p - y_1 = \theta_y \cdot \sin \theta$ $y_1 = \theta_x \cdot \sin \theta$

Differential Drive Robot

W2W = distance between wheels



CiRC = circumterence of the arc (360°)

$$\Theta = \frac{\Lambda L}{\text{circ} - L} = \frac{\Lambda R}{\text{circ} - R}$$

$$\text{circ} - L = 2\pi \cdot (r_1 + w_2 w)$$

$$\text{circ} - R = 2\pi \cdot r_1$$

$$\frac{\Delta L}{\Delta R} = \frac{\Gamma_1 + \omega_2 \omega}{\Gamma_1} = \frac{\Gamma_1 + \omega_2 \omega}{\Gamma_1} = \frac{1 + \omega_2 \omega}{\Gamma_1}$$

$$\frac{\Delta L}{\Delta R} = \frac{\omega_2 \omega}{\Gamma_1} = \frac{\omega_2 \omega}{\Gamma_1}$$

* 15541 Whe se so 11-1R = WZW · W2 W SCC III XR2 = XR1+(11-11-0000) YR2 = XX1 + (mg . Sino) YRH SIN X1= (WLW+11) - (WLW+11). COSO 1 62 = 1 1 + (11+ W2W) · Sin O