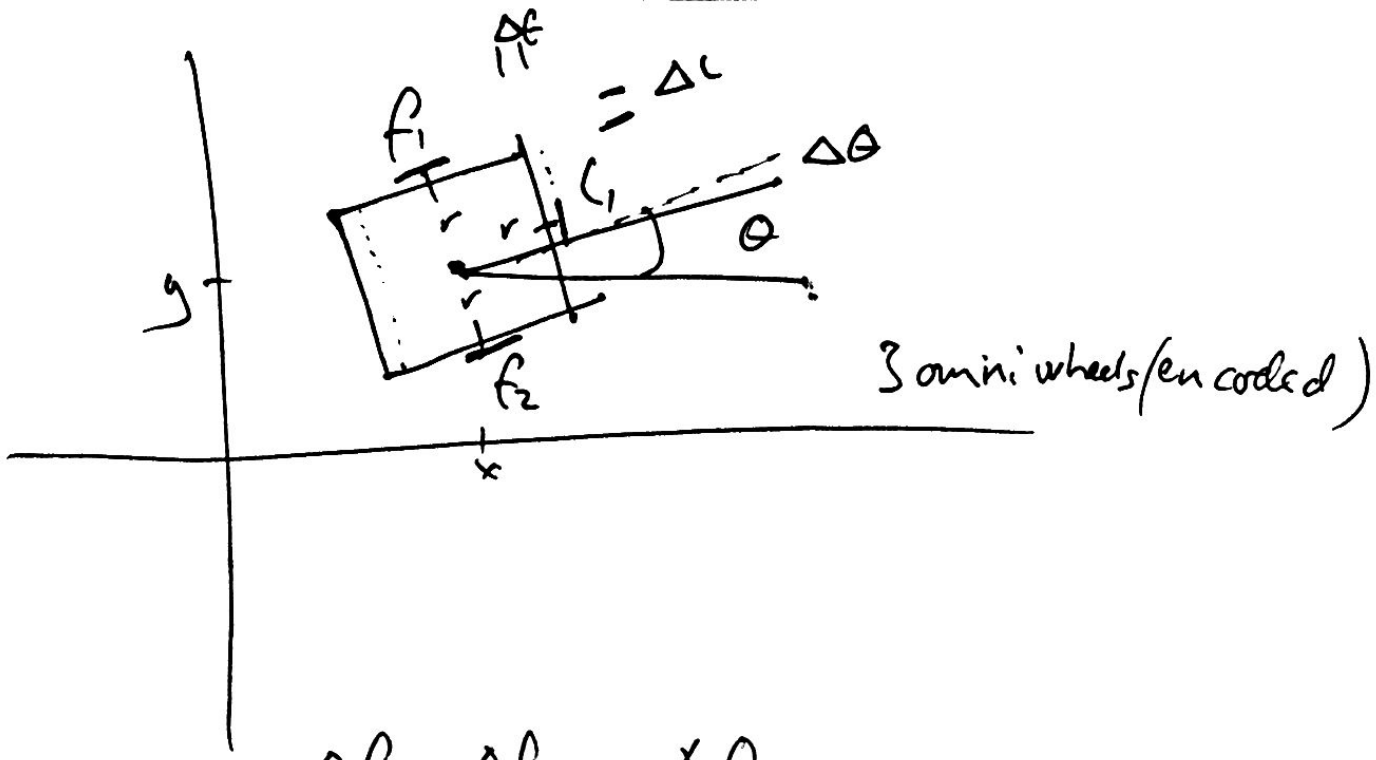

3 omini wheels (encoded)

$$\Delta f_1 = \Delta f - r\Delta\theta$$
$$\Delta c_1 = \Delta c + r\Delta\theta$$
$$\Delta f_2 = \Delta f + r\Delta\theta$$

$$\Delta f = \frac{\Delta f_2 + \Delta f_1}{2}$$

$$\Delta\theta = \frac{\Delta f_2 - \Delta f_1}{2r}$$

$$\Delta c = \Delta c_1 - \frac{(\Delta f_2 - \Delta f_1)}{2r}$$

$$= \Delta c_2 + \frac{(\Delta f_1 - \Delta f_2)}{2r}$$

Update from init condition

$$y' = y + \Delta c \cos(\theta) + \Delta f \sin\theta$$
$$x' = x - \Delta c \cos\theta + \Delta f \cos\theta$$
$$\theta' = \theta + \Delta\theta$$