$$H = \frac{\partial h}{\partial x}$$

$$= \begin{bmatrix} H_{11} & H_{12} & 0 & -1 & -1 & 0 & 0 \\ \vdots & \vdots & \ddots & \ddots & \ddots & \ddots \\ \vdots & \vdots & \ddots & \ddots & \ddots & \ddots \\ \end{bmatrix}$$

 $H_{n11} = \frac{-(m_X^2 - \chi_E)}{\sqrt{c_m x_- \chi_E} + c_m y_- y_E}$ n in range [1, self.n]

Hnz1 = - (mg - XE)

J(mmx - X+)2 + Cmmy - yer

Hn11 Hn12 0 1 -Hn2 -Hn22 O ... O O

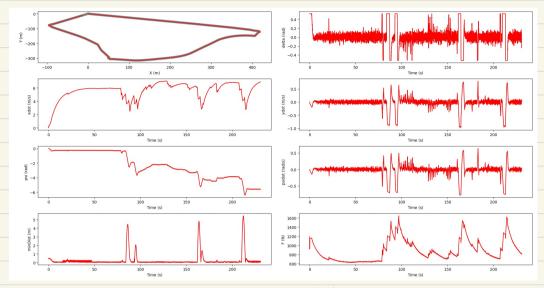
Hn21 Hn22 -1 -Hn21 -Hn22 O ... O O

Hn21 Hn22 -1 -Hn21 -Hn22

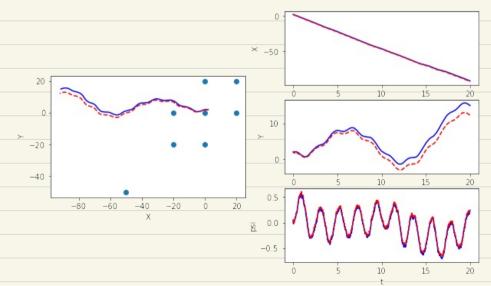
$$H_{n2j} = \frac{(m_2^n - y_e)}{cm_X - \chi_{ej}^2 + cm_y - y_e^2}$$

$$H_{n2j} = \frac{-(m_X^n - \chi_e)}{cm_X - \chi_{ej}^2 + cm_y - y_e^2}$$

Exercise 2



your - controller _ elf_ slan



Olef- Slan