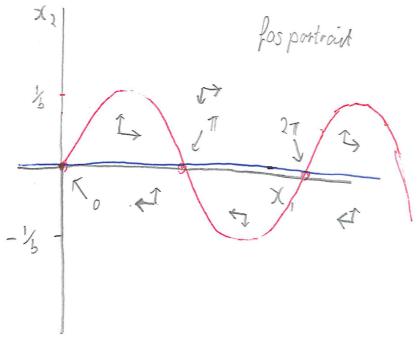
$$X_1 = f_1(X_1, X_2) = X_2$$

$$X_2 = f_2(X_1, X_2) = Sin(X_1) - b \times 2$$

$$f_1(X_1, X_2) = X_2$$

$$f_2(X_1, X_2) = Sin(X_1) - b \times 2$$



$$X_{1x} = 0$$
, T_{1} , T_{1} , ... Jämnvihtspuhten
$$X_{2x} = 0$$

$$X_{x} = (0,0), (T_{1},0), (2T_{1},0), ...$$

Jackobian A

$$\frac{\partial f_1}{\partial x_1} = 0 \qquad \frac{\partial f_1}{\partial x_2} = 1$$

$$\frac{\partial f_1}{\partial x_2} = \cos(x_1) \qquad \frac{\partial f_2}{\partial x_2} = -b$$

$$A = \begin{bmatrix} 0 & 1 \\ \cos(x_1) & b \end{bmatrix}_{X = X}$$

$$x_* = [n.2\pi, 0]$$

$$A = \begin{bmatrix} 0 & 1 \\ 1 & -b \end{bmatrix}$$

Fall 2

$$X_{x} = [n\pi, 0]$$

$$A = \begin{bmatrix} 0 & 1 \\ -1 & -b \end{bmatrix}$$

$$y = x$$
, =>
= $h(x_1, x_2)$

$$y=x$$
, \Rightarrow $C = \left[\frac{\partial h}{\partial x}, \frac{\partial h}{\partial x_2}\right] = [1, 0]$

$$B = [0 \ 0]^T$$
 (ingen insignal)