System dynamics:

$$\Theta_{k} = \begin{bmatrix} \chi_{0} \\ \chi_{0} \end{bmatrix} S_{k} = \begin{bmatrix} \chi_{0} \\ \chi_{0} \end{bmatrix} Z_{k} = \begin{bmatrix} \chi_{0} \\ \chi_{1} \end{bmatrix}$$

$$\Theta_{k} = \begin{bmatrix} \chi_{0} \\ \chi_{0} \end{bmatrix} S_{k} = \begin{bmatrix} \chi_{0} \\ \chi_{1} \end{bmatrix} S_{k} = \begin{bmatrix} \chi_{0$$

ZK = h(0k, sk) + W(K)

n(g, s,) = - (xs) + (cos(as) sm(us)

-51m(ws) cos(ws)

0

O MIN = OKIK

04 (5x) uis + 0x (5x) 501 + 506-

OKY 1 KM = OK+11 x + KK+1. (ZK+1 - h(OKM1X, 5K+1) - US + XO

-45 - 2m(52) x0 + cos(xs) 40