





pas de flash

$$\mathcal{B} = \left\{ \vec{z} \mid \vec{z} \in [0, 1]^n \right\}$$

$$\vec{z} = \begin{bmatrix} z_1 \\ \vdots \\ z_n \end{bmatrix}$$

$$\vec{z}_0 = \vec{1}$$

Flash

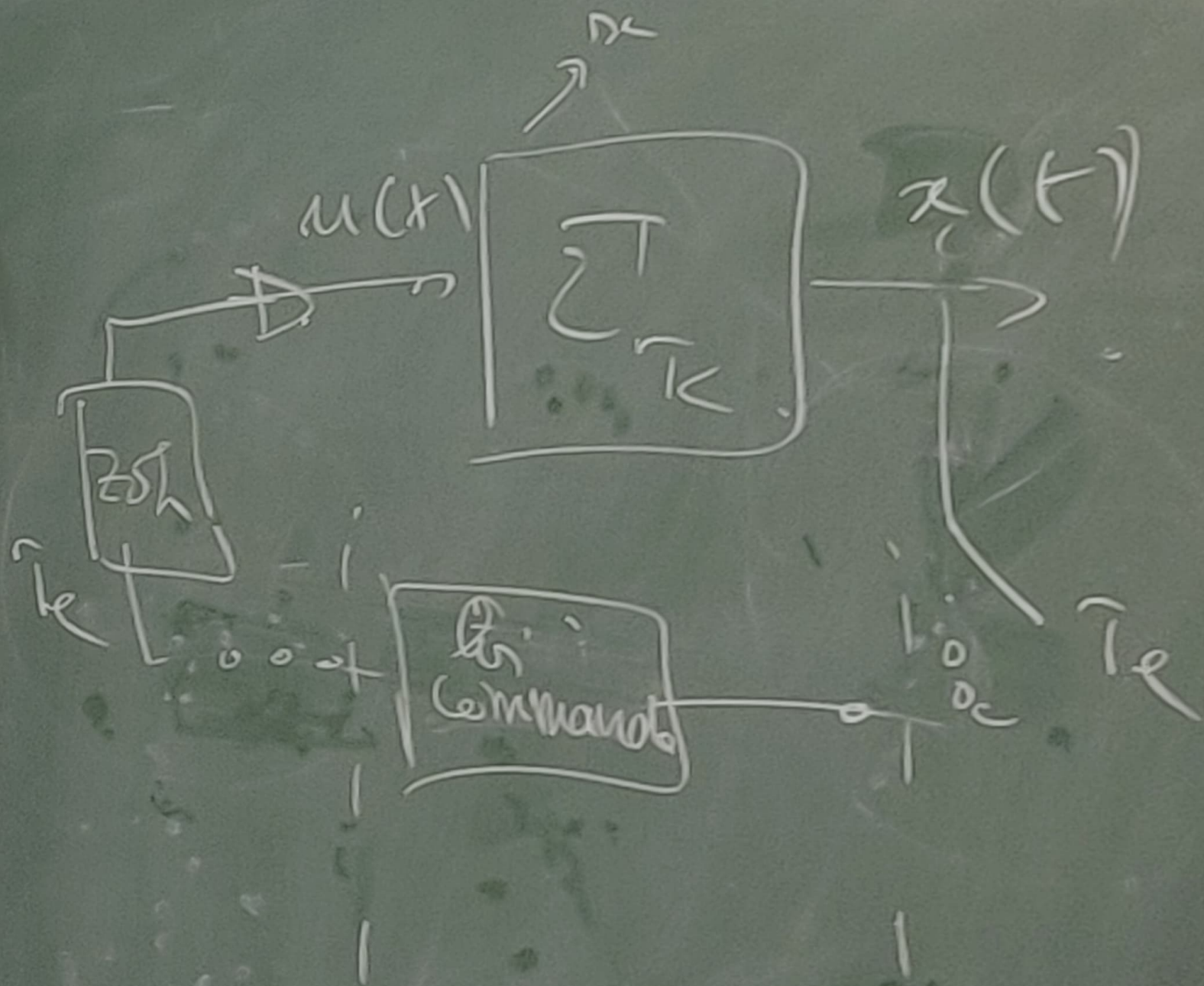
$$\mathcal{D} = \left\{ \vec{z} \mid \vec{z} \in [0, 1]^n \right\}$$

$$\max_i \vec{z}_i = 1$$

$$\begin{cases} \vec{z}_i^+ = \vec{z}_i + a & \text{si } \vec{z}_i + a \leq 1 \\ = 0 & \text{sinon} \end{cases}$$







Entrée 2 instants  
d'échantillonnage

$$Z = \begin{bmatrix} x \leftarrow TC \\ u = \text{commande} \\ \tau = \text{horloge} \\ z_{sh} \end{bmatrix}$$

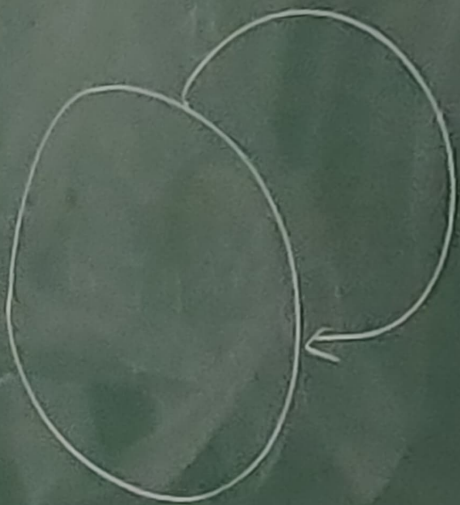
Instant  $i$  ch

$$Z^+ = \begin{bmatrix} x(t) \\ x(x(t)) \\ \tau^+ = 0 \end{bmatrix}$$

$$\begin{cases} \dot{x} = f(x(t), u(t)) \\ u(t) = 0 \\ \tau = 1 \end{cases}$$

entire 2 instants

$$\mathcal{C} = \left\{ z \mid z \in \mathbb{R}^n, u(t) \in \mathbb{R}^m, \right. \\ \left. \forall t \in [0, T_e] \right\}$$



Instanti eivantlönunge

$$\mathcal{D} = \left\{ z \mid z \in \mathbb{R}^n, u(t) \in \mathbb{R}^m, \right. \\ \left. \overline{u} = \overline{z} \right\}$$

