

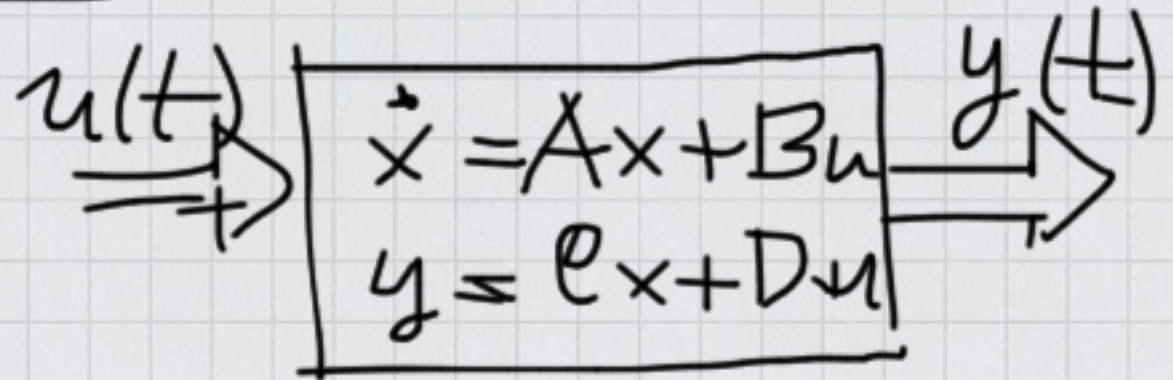
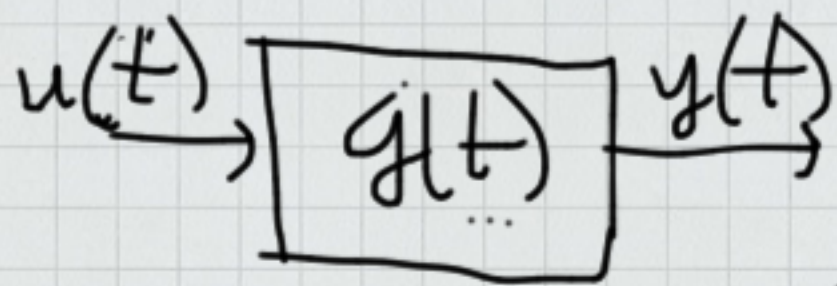
* Model Ruang Kendaraan (State Space)

Matrix

(MIMO)

Transfer function

State Space



$u = m$ inputs = $\begin{bmatrix} u_1 \\ u_2 \\ \vdots \\ u_m \end{bmatrix}$ $(m \times 1)$
vektor
kolom

$y = k$ outputs = $\begin{bmatrix} y_1 \\ \vdots \\ y_k \end{bmatrix}$ $(k \times 1)$
vektor
kolom

$x = n$ variables = $\begin{bmatrix} x_1 \\ \vdots \\ x_n \end{bmatrix}$ $(n \times 1)$
vektor
kolom

x = state variable
peubah kendaraan

* Persamaan Kendaraan

$$\dot{x} = Ax + Bu$$

* Persamaan Keluaran

$$y = Cx + Du$$