

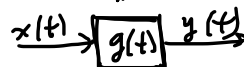
SISTEM KENDALI

Bab I (Review) Model Ruang Keadaan (State Space Model)

Model Nisbah Alih (Teori Kendali Klasik)



Transf Laplace



Jika $x(t) = \delta(t)$
maka $y(t) = g(t)$
 $g(t)$ tanggapan denyut

$$G(s) = \frac{Y(s)}{X(s)}$$

frequency domain

$$s = j\omega$$

$$\omega = 2\pi f$$

TRANSFORM

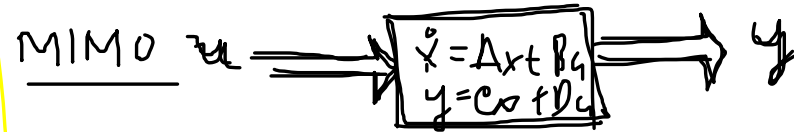
pencil & paper
analysis

+ - * & lihat Table

calculator

"MANUSKAWI"

Model Ruang Keadaan (Teori Kendali Modern)



y = output

u = input

$\rightarrow x$ = peubah keadaan
(state variable)

parameter
internal

time domain

MATRIX (Aljabar Linier)

$\rightarrow$ computer simulation

~~$\frac{1}{s+4}$~~

$\frac{1}{s+4}$

Table

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