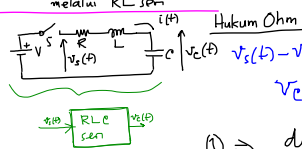


# \* Contoh ELEKTRIK

Rangkaian Pemuatan Kapasitor melalui RL ser

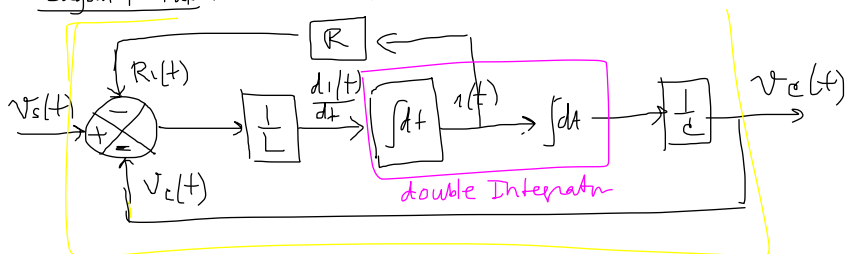


Hukum Ohm  

$$V_s(t) - V_c(t) = Ri(t) + L \frac{di(t)}{dt} \quad (1)$$

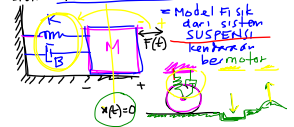
$$V_c(t) = \frac{1}{C} \int i(t) dt \quad (2)$$

Bagan Kotak :



# \* Contoh MEKANIK

Sistem "SPRING-MASS-DAMPER"



Hukum NEWTON

Pers. Diff  

$$F(t) = M \frac{d^2x(t)}{dt^2} + B \frac{dx(t)}{dt} + Kx(t)$$

$$\frac{d^2x(t)}{dt^2} = \frac{1}{M} [F(t) - (B \frac{dx(t)}{dt} + Kx(t))]$$

Bagan Kotak :

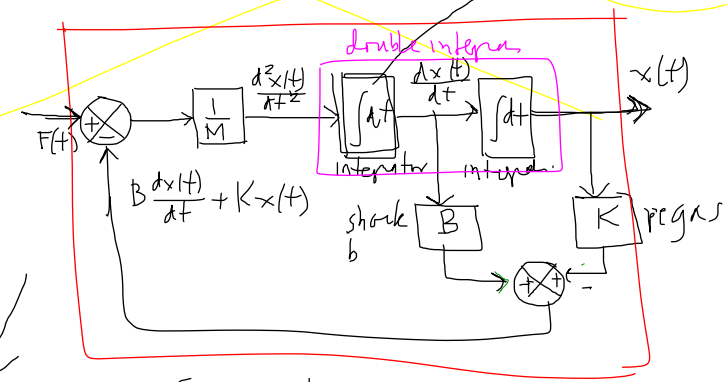
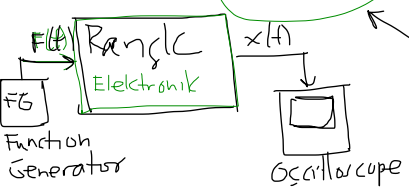


Next :  
 Paket 2

\* Model  
 Misbah  
 Alih

dan  
 Transf-  
 Laplace

elektronik



Program Simulasi

animasi

