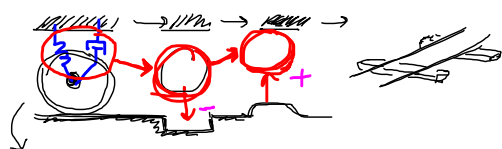
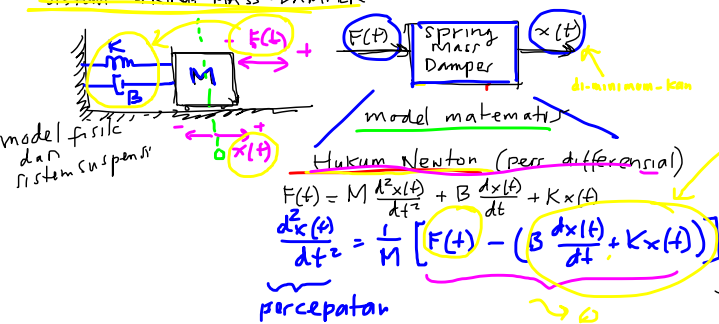


Contoh MEKANIK

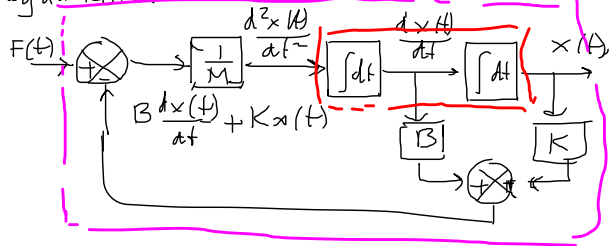
Sistem SUSPENSI



Sistem SPRING-MASS-DAMPER

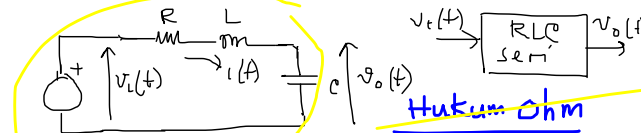


Bagan Kotak



Contoh ELEKTRIK

Rangkaian Pemuatan C melalui R & L (RLC seri)



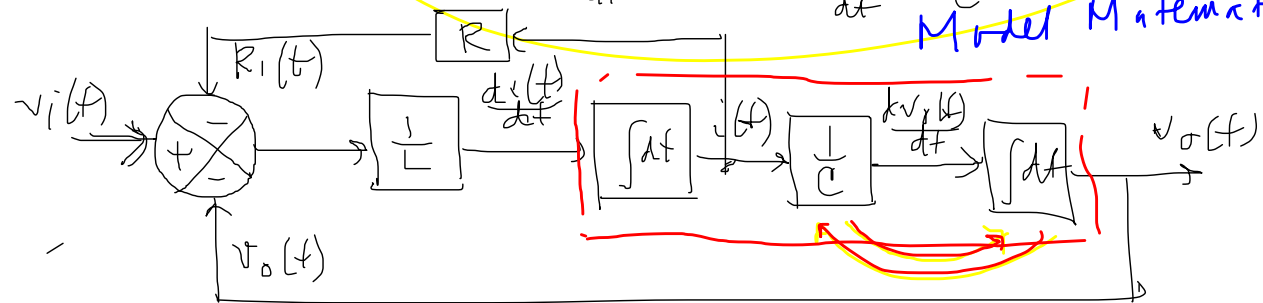
Model Fisik

Hukum Ohm (pers differensial)

$$(1) v_i(t) - v_o(t) = Ri(t) + L \frac{di(t)}{dt} \rightarrow \frac{di(t)}{dt} = \frac{1}{L} [v_i(t) - v_o(t) - Ri(t)]$$

$$(2) i(t) = C \frac{dv_o(t)}{dt} \rightarrow \frac{dv_o(t)}{dt} = \frac{1}{C} i(t)$$

Model Matematis



double-integrator

- universal
- model matematis