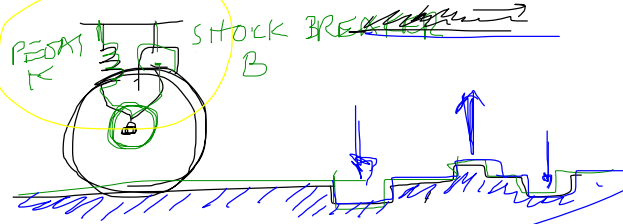


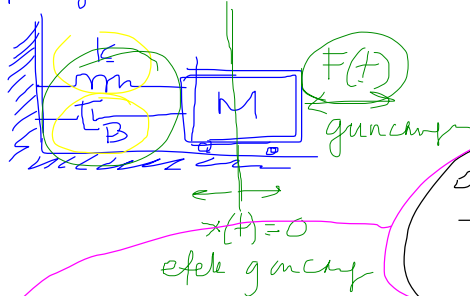
Contoh macam-macam MODEL

Sistem SUSPENSİ KENDARAAN BERWHEEL



Model Fisik. Dinamik :

* Spring Mass Damper :



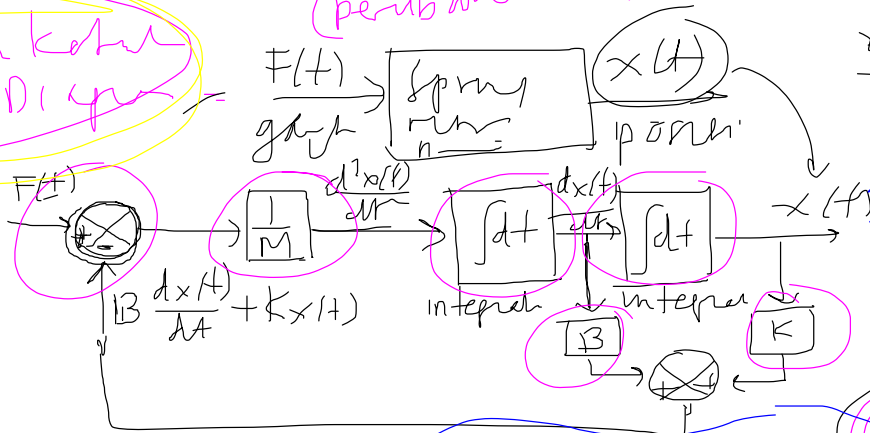
Model Matematika Dinamik

Hukum Newton :

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

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

Bagian kontrol Block Diagram



* Elektronika

* Papan Elektronika

Program Komputer

SIMULASI NUMERIK

KOMPUTER NUMERIK