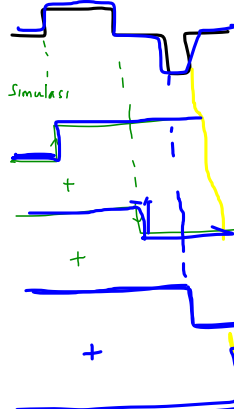


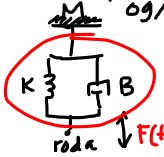


Source



naik } Polisi Tida
turun }
turun } Lobang
naik }

PROJECT 2 Sistem Suspensi SEPEDA MOTOR
dikumpul 2 pekan dan sekarang
09/04/2014



$F(t)$ diserap oleh K dan B
sehingga M tidak
'merasakan'

Hukum NEWTON

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

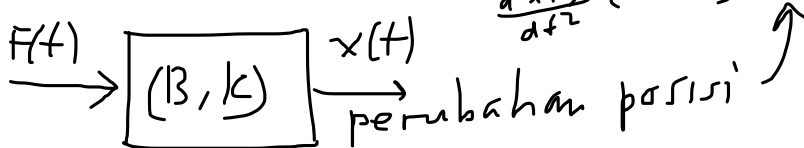
percepatan kecepatan posisi

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

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

percepatan
= perubahan
kecepatan

Jika $F(t)$ habis diserap
oleh (B, K) , maka
 $\frac{d^2 x(t)}{dt^2}$ (perubahan
= 0



Satuan² fisika
 $F(t)$ [Newton]
 $M = \text{kg}$
 $B = \frac{\text{Newton}}{\text{sec}}$
 $K = \frac{\text{cm}}{\text{Newton/cm}}$

