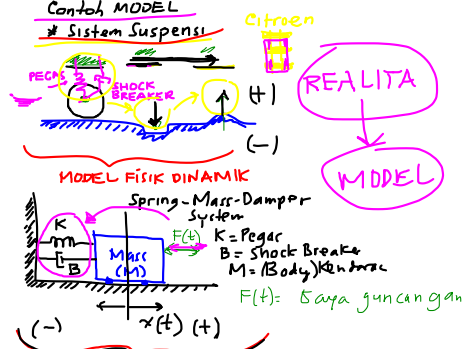
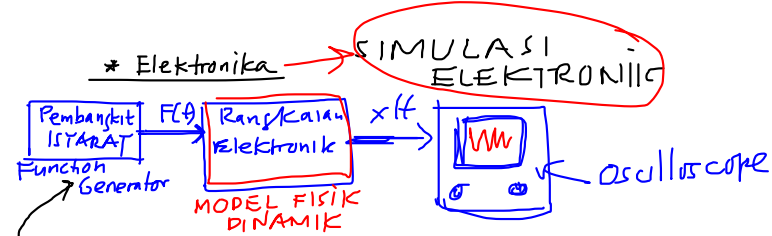




PEKAN DEPAN
Jum'at, 29 Nov 2013, jam 13.30
MIDTEST (40%) open-book
no-laptop
bahan ujian s/d materi 23/11/13
bisa diunduh dari
<http://www.unhas.ac.id/rhiza/arsip/kuliah/>
→ cari Pengantar-Teknologi



MODEL MATEMATIK DINAMIK

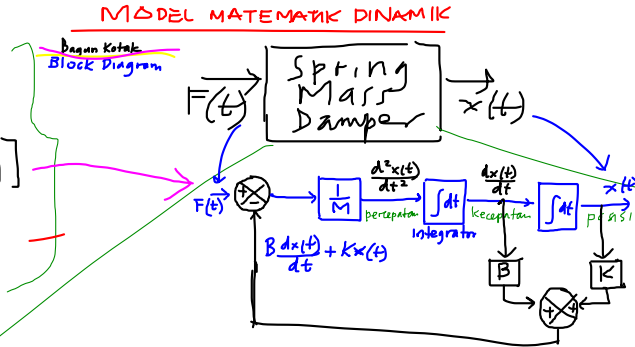
Persamaan Differensial:
Hukum NEWTON
KALKULUS

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

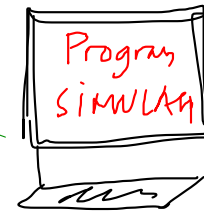
Percepatan Kecepatan Posisi

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

Percepatan = perubahan kecepatan
BERUBAH = kecepatan tidak nol



* Programmer



METODE NUMERIK

MODEL MATEMATIK DINAMIK

Pemodelan

Contoh "Ketenaga-listrikan"

