4/11/12 2110-4 Phys

Note Title

Oscillations

$$d^2X = -(n_3)X$$

 $X = A \cos (wt + p)$

when they mare to get he T= 1.85 A=35 cm block to slipheging

(magnitude) Cimax = /4w2 frax
= MN mamex = Mmg V M 9 Cimex = Ma $M_{5} = \frac{\omega^{2}A}{9} = 0.43$

1(m, mm) v2 = 2hA2

Lots mose to learn Usually consider from speed $f_{k} = - dv = - d dy$ $\frac{1}{\sqrt{2}} = \sqrt{2} = \sqrt{2} = -\sqrt{2} =$ m 32x + 2 2x + kx =

force, oscillatos in time value,
amp. is high Driven scillating Wo

Analogy W/ electrical circuit

Wave Motion, Ch 14

Class of phenomena.

Clastic medium, distorts

Trach motions of distortions.

Wave motion.

String Spring much of what we san Water applies to Mir - Sound. Light Waves Not the same, don't travel thru elastic ne Zium. Longitudinal Holling Transverse

Describ froms No energy 1255 Dulse helps some shop

s wave parhets Harmonic Work. Snapshot: Spatial pattern repeating way.

The picture.

War travels at speed V. Non- Zisporsire me Lium Wardingth. Every ting puccof wave wolks like oscillator. Trequency