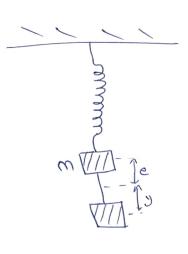
\$9p0

an the wear bostion.

Or the wear bostion.

Seobortowal to the gisblacement of that time and of the asceleration of the acceleration of the accele

Chuen, of boad = m Speing Constant = K extension due to load = e extension due to larce = y Three period = ?



when the stalks is extended by e due to load

Stuce the word is use woring

when external lonce act on moss. It extend by (ety). The Restoration longe 13 Sluen by

when It is extended by lefy) with the help of external. Two type of force are acting on mass

is messors (ena) game mang

2) Restoring force f" upward.

UEY force : t = t , wil

me KUOM,

$$-f = m\alpha = -ky$$

$$= -\frac{k}{m}y = 0$$

combarina apone son mit & a=-mos

 $I = 2 \pi \sqrt{\frac{M}{4W}}$

2

11) when moss ?s doubled.

i.e. W, = 5W

= = 27 [M

T' = 27 / 2M'

= 27 12 1<u>m</u>

= \(\sigma \)

Will be To times institute time period (To) Is doubted.

Nesofail

Potential energy, Whetic energy and the sum of energy Per unit mass for an Ideal liquid in streamlined motion is constant. Way speed

 $E = \frac{P}{8} + \frac{v^2}{2} + SN = Constant$

An Desodano uses aexolell for conserved filling. Upper surface of aerololl is made more curved than the lower surface beacause of which are flows faster over the upper surface compared to lower surface which creat low pressure at the upper surface and high pressure at the lower surface, which are face, which are surface.

we know.

$$\frac{P_1}{S} + \frac{V_1^2}{2} = \frac{P_2}{S} + \frac{V_2}{2}$$

20

beyrolfue of commercansernation of authorax

Statement: It state that if there is no external lonce acting on the system then total angular momentum of the system remain conserved.

i.e L= Constant

68006

IW = Constant

me know, forante (2) és defined as rate of change of angulax momentum of the system

$$C = \frac{qt}{qr} - C$$

/ SdL = 50

If there is no external force acting on the system intedestived poque egge

Chren

Arms outstratched

fi = 2:H revis

ne ruon

I,W, = TzWz

=> I, x & R, = I2x 2x P2

=> I x 2.H = 0.6 I x (2

=1 P2 = 2.4 = 4 rev / sec

31

Assumption made by Laplace for the velocity of sound in als one.

6. Propagation of sound wave is not isolvermal)
Process but It is an adjabatic process.

PVr = constant.

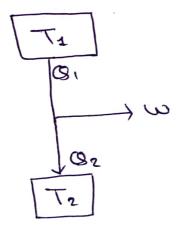
we know

411) # The 19miltation of flest law of thermodynamics

or it goesuit dine the gluection of from of hear

B) It doesn't explain why heat cannot be spontaneously

converted gate work.



HIII) Essential part of heat engine arei

a) source of heat

b) working object

c) sink of heal at low temperature.

Efficiency (b) = Output work x100%

= 0,-0z X/00%.

= (1- @2/01) x100%.

51) Blot Bang Sonar Jan State that magnetic field que to thun concent element of any bount le proportional la render el convent élément. CALEEN, ESUG BUDIE PERMEEN CALLENT AGLECTION and like Pojulud the content shewent and functions beobortional to somme of the rendin of grance between bojut and content contains element

98 = Mo Iggsino

wnere,

3B = Small magnetice ffeld

I = Current

dd: Small length of corrent careflus element

Q = audie permeen queckjou of connent any Bus Josusind bosus ong Element

2: length of glistance permeen boly and element.

5.11 Vel.

Consider a Straight conductor AB

Corrent be I

Paint correct ma

any point = P

distance up = a

Then magnetic field B

wadneric liery gas to stroughly congretor.
by Buy pany rate direction of

M DO 1- R

e;

washelds flox is goldus as the total underes of wadnetic fields mnis borses through dinan Area. It is denoted by " a"

30.0

Choen

Q = 5+8 + 11 +2 +3F

t= 2 sec

6=3

we know.

G= 90

- 9(3481MF8+34)

= 18t2 + 8t +3

= 79

I) work function of metal is define as the energy that is needed for removing an electron from a soil to a point in the vaccium immeditally outside the soile surface.

Do= Nlo

ii) An equation in physics gluing the tenetic energy of a photoelectron emitted from a modal as a result of the absorption of a radiation quantum. It Ex= hu-w where E/x is the KT of photoectron, h is plant constant, vis the lecavery associated with the rodfortion availant.

Elisper along you that the form of a bacical of every of a bacical

(11)
$$\leq 0.0$$

Cheen

 $f_0 = 6 \times 10^{14}$
 $f_0 = 8 \times 10^{14}$
 $V = 1.23$

nc(-lo) = eu

= 6.56x10-34

one can estimate the chance of electron will be 1.6x10-19, 2x1.6x10-19, 3x1.6x10-9. ... nx1.6x10-19

BE 1.6x10=19, 2x1.6x10-19, 3x1.6x10-9. ... nx1.6x10-19

BEN was the charge of electron is anomined and always found in the integral multiple

The function of X-roys = 13 to longe the unique sed particles.

he can use 1- rays beacause 1- hays also

the we of cell then It les called Command

the we of cell then It les called Command

blassing when the No 2860 of Junction diede

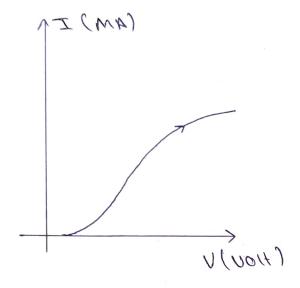
then It le called acrosse blassing of Junction

then It le called acrosse blassing of Junction

then It le called acrosse blassing of Junction

then It le called acrosses blassing of Junction

N



III Two applications of junction diode.

- -> can be used for maising rectifies
- -> Can be used forward-blased.

Greans

- cough flame are not mone monather relies
- ii) He can beagnes Enstainable sutersence
 - is using monodromatic source of Ilbut like
 - and on the same knose.

 The source must be conserved frequency,

 and on the same knose.



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Feedbacks:

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