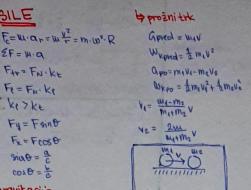
**PREHO GIBANDE
$$V = \frac{S_2 - S_1}{4 - t} = \frac{A_5}{A_5}$$
 $Q = \frac{V_2 - V_1}{4 - t} = \frac{A_5}{A_5}$

Cualamerno

 $S = vt + S_0$
 $V = toust.$
 $S = vt + S_0$
 $S = vt + S$



· Vztrajnostni momeuti

- valj, J= m. r2 točkasto telo, obroč.

-J= Wr2 palica na koncu - J = mr2 disk (val) Wk= 2J.W2 J = 2m R2 polua kragla - 3 = 2m R2 tauka kroglna lupiwa A = Dw = AWK+DWP + DWp = DWmeh - J=mR2+mh2 ohranitev meh. $- J = \frac{3mR^2}{10} \Lambda$ Dwmen=0 Wpred = Wpo)= 12m R2

> -]===mR2 \ - STEINER J= J++ mr2

· delo A=F.S = F.s. cos 0 Ag=-Fg Ah R= 4= F. V

A = Pat = Mdo

· urtilua kolicina

Y=Gxr=m.v.r.sind

17= [Hdt= 1/2-12

=> P= Hde

4= J. WKON

A = We

· gibalua količina G= wv AG = mupo-mupred = FAt =

(prozmitrk)

evergije.

= SFdt

A ohraciter gib. kolicine 10=0 02. apred= apo

+ uprožni trk apred = apo apo = (withz) V'



apred = 0 apo = unva - un2 V2

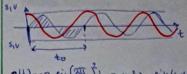
JENAHIN •

$$V = \frac{N}{C} = \frac{1}{C} \left[\frac{N}{2} \right]$$

$$X(t) = A \sin \left(\left(\frac{2\pi}{C} \right) t + 3 \right) = A \sin \left(\frac{2\pi}{C} \right)$$

$$X(t) = A \sin \left(\left(\frac{2\pi}{C} \right) \right) + 3 = A \sin \left(\frac{2\pi}{C} \right)$$

 $A(f) = A^0 \cos \left(\frac{f^0}{\sqrt{2}\mu}\right) f = Mx\cos(mf)$



all)=-aosin(211) t =-wexp sin(wt) to= 211(1)= w-1

$$w = \sqrt{\frac{k'}{m}}$$
 kvožna frekvanca
$$x(t) = x e^{\beta t} \sin \omega t + d\omega v \cos \alpha$$

x(t) = xo est sin wt durano nihanje $\beta = -\frac{\ln \frac{x_c}{x_i}}{\Delta t}$ koeif dušenja

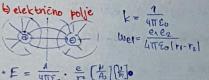
W= woe-28 energija duienga nihanja x+w2x= & harmoniono mhauje W = 2kA2 vzmetna energija

VZBUJANJE x+2 Bx+ w2x = F(t)/m

Fleun e Fo sin (12t) ... 12 fretreuca veb če je 2 = w, dobimo rezouduco

· ELEKTROSTATIKA

 $F_e = \frac{e_1 e_2}{4\pi \epsilon_0 r^2} = \frac{e_1 e_2 \angle 0}{e_1 e_2 > 0}$ ← Elektricm naboj (Coulomb)



6= 0

Ploskovua

gostota

sigolaria

· E = 6/280 = 2880 255

· E = & 1 E= 7

Fe=e.E, U=Ed

$$A = -F_{e}X = -\hat{e}E \times ... \times \text{premik padolă riluice}$$

山= 台區區到到

Δωep= eV= e(4-42)= eΔV

U= 1/2 (razlika potercialor used drema točkama polja)

Wed= eEh De = We [Nim] = [7]

$$E = \frac{a}{608}$$

Ae =
$$\frac{e^2}{2C}$$
 prostorming low.
We = $\frac{e^2}{2C} = \frac{1}{2} CU^2 = \frac{1}{2} E_0 E^2 \sqrt{1}$

e= 808 d

$$W_e = \frac{1}{2} \epsilon_0 E^2$$
 gostota ouer.

Kapaciteto povećamo, če med plosči vstanimo dielektrik C= 20 Edielektriviuost smovi

KONDENZATORDI

$$\begin{array}{c|c} R_1 & R_2 \\ \hline U_1 & R_2 \\ \hline U_2 & R_1 \\ \hline I_1 = I_2 \\ \end{array}$$

UPORNIKI

· ELEKTRICNO DELO Ac=Ue=UIt=RI2t=Uzt

A = Ue = UIt = RI²t = Rt
Pe =
$$\frac{Ae}{t}$$
 = UI = RI² = $\frac{U^2}{R}$

SCURVOJAV

$$C = \sqrt{\frac{F}{\mu}} = \sqrt{\frac{F \, w}{\ell}}$$
 hitrost trausversaluih valov in dolžiwka gostota

$$19 = \frac{c}{2\ell} = \frac{c}{n}$$
 write in piscal





19 = Ge vrvica in piscal

4 interferenca

$$\sinh\theta = \frac{NN}{d}$$
 pani glačitev
 $\sinh\theta = \frac{(N+\frac{1}{2})N}{d}$ pani oslabitev

6 dopplerieu pojau

$$b = \frac{1}{1 \pm \frac{1}{2}}$$
 sprejemnik miruje

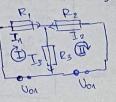
$$\operatorname{Sin} X = \frac{V}{c} = \frac{1}{H}$$
 kot Hachovega
Stožča 2x

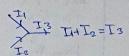
9 gostota energijskega toka

$$j = \frac{W}{st} = \frac{P}{s} \left[\frac{W}{m^2} \right]$$

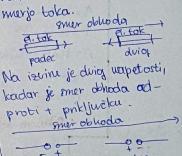
· ELEKTRIČNI TOK

· ELEKTRIČNA VEZJA





Na porabniku je padec uapetosti, Icadar se emer obhoda ujeua s merjo toka.



Srednýl polmer Zemlje Težni pospešek Hitrost rvetlobe

C= 3,00. 108 4

Elektricha (infl.) koustauta

Stefanova konstanta

Osnovni naboj

Eo = 8, BT. 1012 As/Vm

12=6370 km 9=9,81 4

eo = 1,60.10 As

6 = 5,67.10-8 W/m+2K4