Механика

$$|\vec{v}| = \sqrt{\sqrt{x^2 + v_c^2 + v_c^2}}$$

$$I_{x}(t) = V_{0} + \alpha_{x}t$$

 $(t) = X_{0} + V_{0}t + \frac{1}{2}\alpha$

$$x(t) = V_0 + \alpha_x t$$

 $(t) = X_0 + V_0 t + \frac{1}{2} \alpha_x t^2$

$$\Delta X = \chi(t_2) - \chi(t_1)$$
 pascressnue $\langle V \rangle = \Delta X$ $\langle \alpha \rangle = \Delta V$ $\Rightarrow cp$

$$a_{n} = \frac{V^{2}}{R(t)}$$

$$|V_{x}(t)| = V_{0} + \alpha_{x}t$$
 $|V_{x}(t)| = V_{0} + \alpha_{x}t$
 $|X(t)| = X_{0} + V_{0}t + \frac{1}{2}\alpha_{x}t^{2}$
 $|X(t)| = X_{0} + V_{0}t + \frac{1}{2}\alpha_{x}t^{2}$
 $|X(t)| = X_{0} + V_{0}t + \frac{1}{2}\alpha_{x}t^{2}$

$$\Delta X = X(tz) - X(ty)$$
 pascrooghue $\langle V \rangle = \frac{\Delta X}{\Delta t}$ $\langle \alpha \rangle = \frac{\Delta V}{\Delta t}$ \Rightarrow cpedhu crowhoctu

SUWAMUKA

$$|\vec{F}| = \sqrt{F_x^2 + F_y^2 + F_z^2}$$

$$yp = \kappa a 88u \# e u e p$$

Q = TI

SCROPEHUE

CKOPOCT

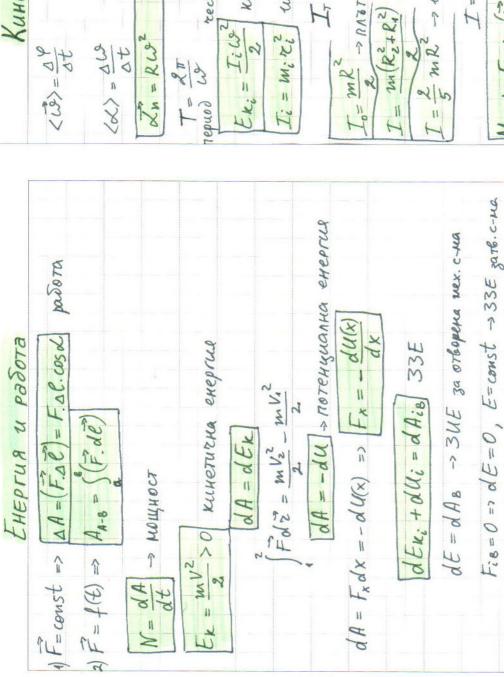
|V| = ds = dt

a=1F, + F2

Z

$$\frac{dp}{dt} = \sum_{i=1}^{M} F_i \rightarrow 33U \text{ 3a orboyeta c-ua}$$

$$\frac{dp}{dt} = 0 \Rightarrow p = m.v = \frac{v}{i=1} p_i = const \Rightarrow zarbopeua c-ua$$



ternoba chopoct

Кинематика и динамика

M=r.F. sin (2 1) wowens He cand M=I. of Juhan.
34 MU YP-e $I_i = w_i r_i^2$ unepren nonent $w(t) = \omega_0 - \Delta t$ I = m(R2+R2) - Ryx gunundep/npocret c R2>R1 Io= mR -> RASTEH YUMUNDED UNU DUCK C PODUYC P. L = R. P. SIN (2 N P) NOMENT KO WANYAC [L = I. CS C=277 17=1 I = Io + mb - Teopena Ugainep Зими глово эспорение T= 2 mR - WHEDREH MOMENT HE COPERS C. R. F=0, M=0=> dLT-0 => LT=const :33MU AP = 42-41 = 21N V=R.C енерпи dA = M. dq M = F. Chamo 12 = 8 [Eg/n 8 = Q (3) tecrota 2TT $E_{k_0} = \frac{I_i \omega^2}{2}$ kunerwana dr= Rd dn = Rus Tepued us

Ав = - ДИ = - тап - работа на силата на теннестта

за консерваливна сила (по зажворен контур (С)

4 AL) = O(F, dE) = 0 - nateriornecus dispuyningobra

Enektpoctatuka

En= 50

φ= - 2gi

Th (TAYC)

E = VE, + E2

E=-016

sapedena p-Ma

ENEKTPUYECTBO

$$T = \frac{dq}{dt}$$
 en. 70x $q = T.t$

$$I = \frac{\mathcal{E}_{R} + \Delta P}{\kappa + R} = \frac{\mathcal{E}}{\epsilon + R}$$

Последователно свързване:
$$20 = R_1 + ... + R_n$$
 ($T = const$) Паралелно свързване: $\frac{1}{R_0} = \frac{1}{R_1} + ... + \frac{1}{R_n}$ ($u = const$)

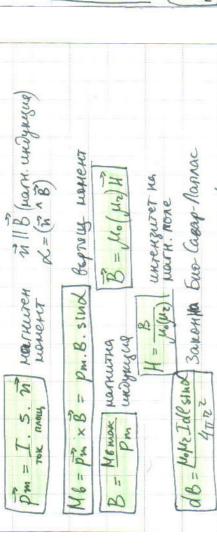
$$\alpha = R_t - R_o$$
 Termeparypen $R_t = R_o (1 + \alpha t)$

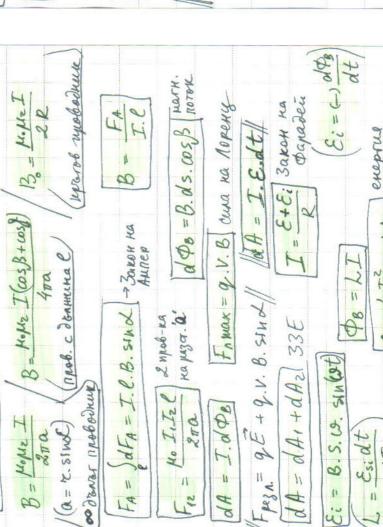
10/DE

$$d \theta e_n = d Q_T = I.U dt = I^2 R dt = \frac{U^2}{R} dt$$

$$Pe_n = \frac{d \theta e_n}{d t} = IU = I^2 R = \frac{U^2}{R}$$

Магиетизви





енергия

A = LIE = WAR RE MI

LINGYETHBROCT

