1. Дано: Bo=0, dB=0.1T/ac, Vo=0, a=0./m/c2, f=02м AMC = 7 Mnowage Kohmyna St= =atil UH94KYUS MORHUMHIORO MONS: BE= 0.1t 9= | de | - | dBtSt | -dt - 0.15 att meples 2c: G= 0.15x0.1x0.2 x 4= 0.012B 2. Dano! 2, P(t)=at(J-t) $E(t) = \frac{d\Phi}{dt} = \alpha I - 2\alpha t$ $I(t) = \frac{\alpha T - 2\alpha t}{R}$ Q(t) = a²J² + 4a²t² - 4a²J²

$$Q_{7} = \int_{0}^{T} act 1dt = \frac{1}{R} \left(a^{2}T^{3} + \frac{4}{3} a^{2}T^{3} - 2a^{2}T^{3} \right)$$

$$= \frac{a^{2}T^{3}}{3R}$$