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al 11a - 524.1 - Rezolvani de pb. einc. osc. si Autera.
                                                                                                                                                                                                                               15.03,2021
poz (110-111)
   (2.25%) Calculati volovirea inductantei, La muni cire ose ce contine cond. e= 2 pt si care produce ose el-mogni de frecento, V=103Hz.
                    C=24+=2106+ ( W=211)=211/To > No=( 211)= 211/LC
                                                                        2 Wo = 1/VLC
                                                                              22= 1 = (472/2) - C
                                                                         dici L = 4-10.10. 2.100 = 12 = 12,5 mH.
                                                                                                                                                                                                                          LC-la rejouants
                                                                                                                                                                                                                             WO= WIE
  (2.26/10) Inductanta unui cire osc. scade de hori, iar capacitatea sa creste de Join
                          Ce valorere are raportul perioadular lui de oscilatie (Tetro?) dar (Pep =?)
                                                   where are raportion periodice 2\pi V_0 = 2\pi V_0 
                Lo=1/4
               C2=9.C1
                                                        deci TI = 211/4Cy
                   T2/T(=)
                                                                 (T2=211/L2:C2 = 2111. V/L1/(9C) = 3/L1C1/21) T1, V1
                    \frac{1}{2} dici \left(\frac{12}{11}\right) = \frac{3}{2}, \frac{1}{2} \frac{1}{2}
(227/10) Un einc, ose, cu factorul de califate Q = 100 contine obabilio formato dintrum
                 Singur rand de spire, una larga alta. Raza spirei este n= 1/12, u, îar raza firelor din
               care este facuto bobina este 12=1/mm. Cumseand registivitate a firului, g=1037 m si
pemidilitatea absoluto a aerului, peno = 411.107 H/m, calculati perioda To>? a ose. libere.
                                                     Quel VE = (U) = (U) = (U) = Zo
              Q=100
                                                     (1) = \left(\frac{\omega_0 L}{R}\right), \quad \omega_0 = 2\pi \lambda_0 = 2\pi / \tau_0. \quad (3).
                                                                                   (2) R = (S \frac{l_0}{S_2}), S_2 = \pi r_2^2

L = (H^2 S), S_1 = \pi r_1^2
              9=10752im
              Mo=411107 H/4, H
                                                   diu (1,3) → Q - (21) ( ) → To = (21) ( )
                                                                                                                                                                                                                            1= N. 2774 = Co
                                                     To = (21) mo(H2S1). (S2) = (21) mo) N2S1S2 = (21) mo) (11/2) (11/2) (11/2) (11/2)
       deci T = \frac{\pi^2 \mu_0}{\sqrt{2}} \left( \frac{1 \cdot r_2}{2} \right) = \frac{\pi^2 \cdot 4 \pi \cdot 40^7}{\sqrt{10^2 \cdot 12}} \frac{1}{\pi^2} \cdot \frac{10^3}{\pi} = \frac{2 \cdot 10^{-2} \cdot 3}{5} = \frac{2 \cdot 10^{-5} \cdot 5}{5}
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