Efectul foteelutric - emisie de chetroni de catre metale sub act unde cleetrong.

$$\frac{m v^2}{2} = e V_g$$
 V_g -tensione framera

Legi

Filcare Johan are enogia $E = h.D = \frac{h}{2\pi} \omega$

Marini caractoristice foton

energia E=hD=mez h= 6,626.10-34 J.s

masa de missare $m = \frac{E}{R^2} = \frac{hV}{R^2} = \frac{mo}{\sqrt{1-v_2}}$

Vetera ro= C = 1 mo= B

impulsul p=mc= h = hr

sarcina electrica 9 =0

Teoria relativitatii Einstein

Ecuquii Maxwell formă globală
$$\oint_S \overline{F} dS = \frac{9}{E_0}$$
 $\oint_S \overline{A} dS = 0$

$$\nabla E = \frac{3}{E_0}$$
 Caus flux alectric

not
$$\overline{E} = -\frac{\partial \overline{B}}{\partial t}$$
 Foraday

campul electromagnetic supropaga un
$$u = \frac{R}{m}$$

$$u = \frac{c}{E_{\pi} \mu_{\pi}} \qquad c = 3.10^{6} \text{ m/B}$$

$$E_{0} = 8,85. \quad 10^{11} \text{ m}$$

$$\mu_{0} = 4\pi \cdot 10^{-14} \text{ m/B}$$

Proprietati uncle electromagnetice

4.
$$J = \langle \bar{S} \rangle = \frac{2c}{2n} H_0^2$$

 $w = w_0 + w_m = \mu EH$

The se Street of the street was 15 = S2-S1 = Klm 32 intensitatea sonorà $I_S = \frac{1}{2} \omega^2 A^2 S \mu = \frac{1}{2} \frac{S^2 max}{S \mu}$ $I_{So} = 10^{-12} \frac{W}{m^2} - I_A la prag de audibilitate$ 4s max = 100 W - Is prag dureros Wivel sonor Ns(dB) = 10 lg Ts Mirel intensitate auditiva Na = 10 lg Ja , Malsy=1 fon Efectul Loppler $\omega = \omega_0 \frac{\mu \pm VR}{\mu \mp VS}$ Vr- Videsa Observator vs-vitesā sursā apropiere w= wo m+VR departure $w = \omega_0 \frac{\mu - vr}{\mu + vs}$