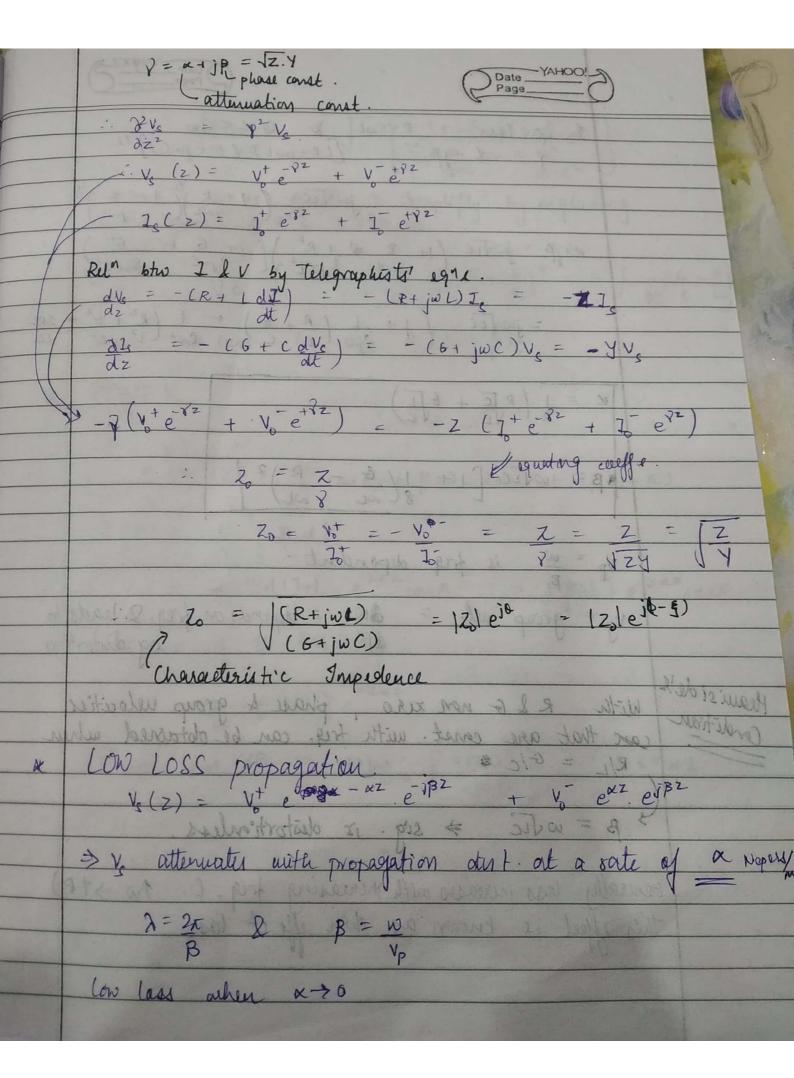
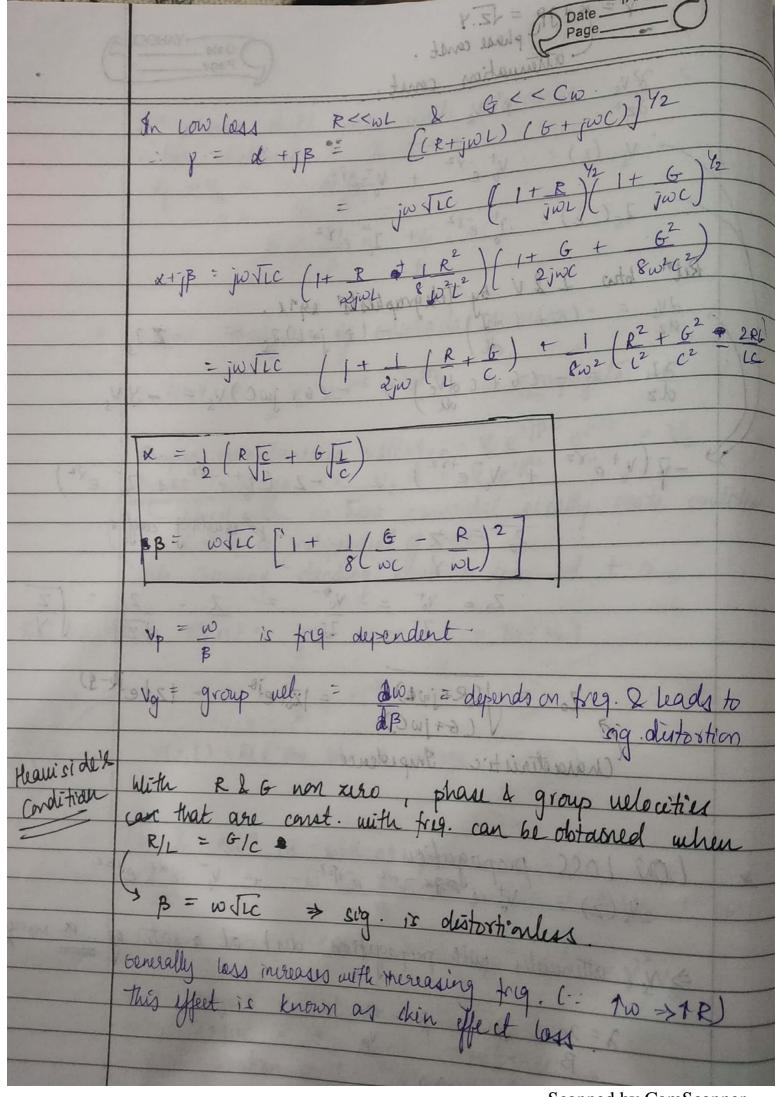


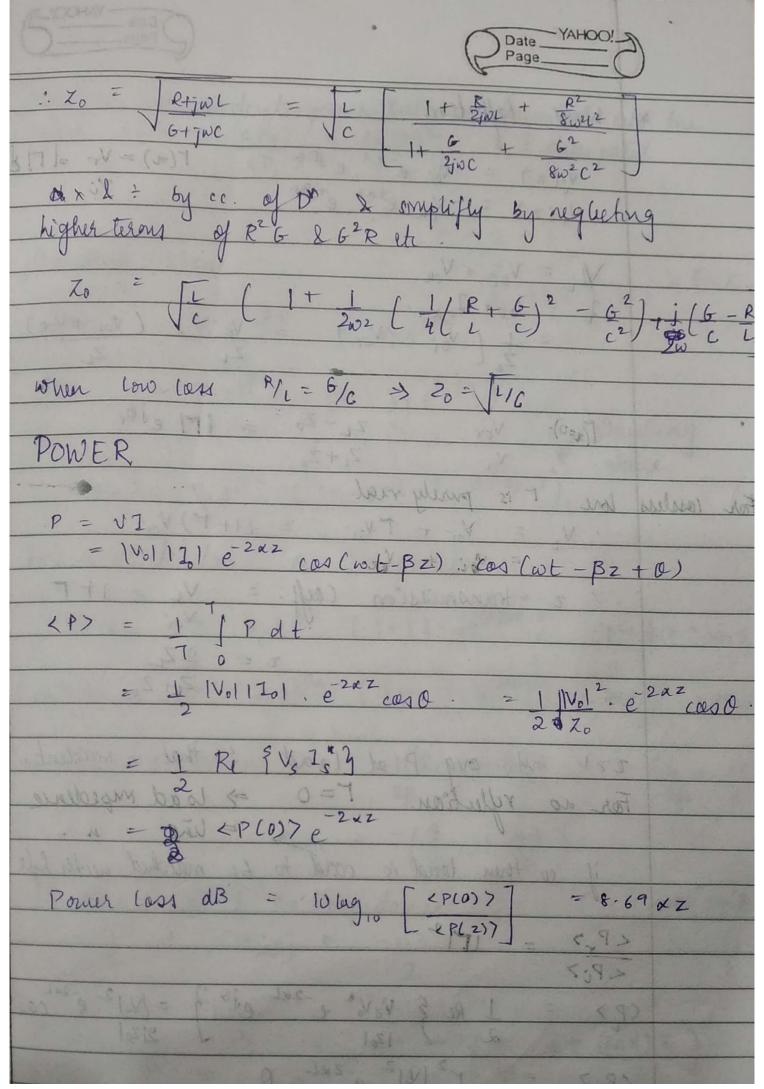
B= phase chift per unit distance : For distance & & t=0 Vf = Vb = (V/ con BZ B 7 = 27 * Complex Analysis of sinusoidal warres V(z,t) = 1 V eint e + iBz + conjugate Complex instantaneous voltage = $V e^{\pm i\beta^2} e^{i\omega t} = Ve^{-2\beta}$ Phase voltage = $V = V e^{\pm i\beta^2}$ Lyptical when we have consorded steady state condition

Vike objections of and in a standing of fine I like objerning standing want in space at t=0 Real not Volt = V(z,t) = 1 v + cc = Re(Ve) V(z,t) = Ref the Rhason voltage x ejut) 7L & soln in phasor form $\frac{\partial^2 V_c}{\partial \mathbf{z}^2} = -\omega^2 LC \partial V_c + j\omega LG + ROV_c + ROV_c$ = (R+jwL)(G+jwC)Vs = y2Ve Z = R+jWL = Net series impedance y = G+jwc = " churt admittance 8 = propagation const. = VCR+jwL) (G+jwC)

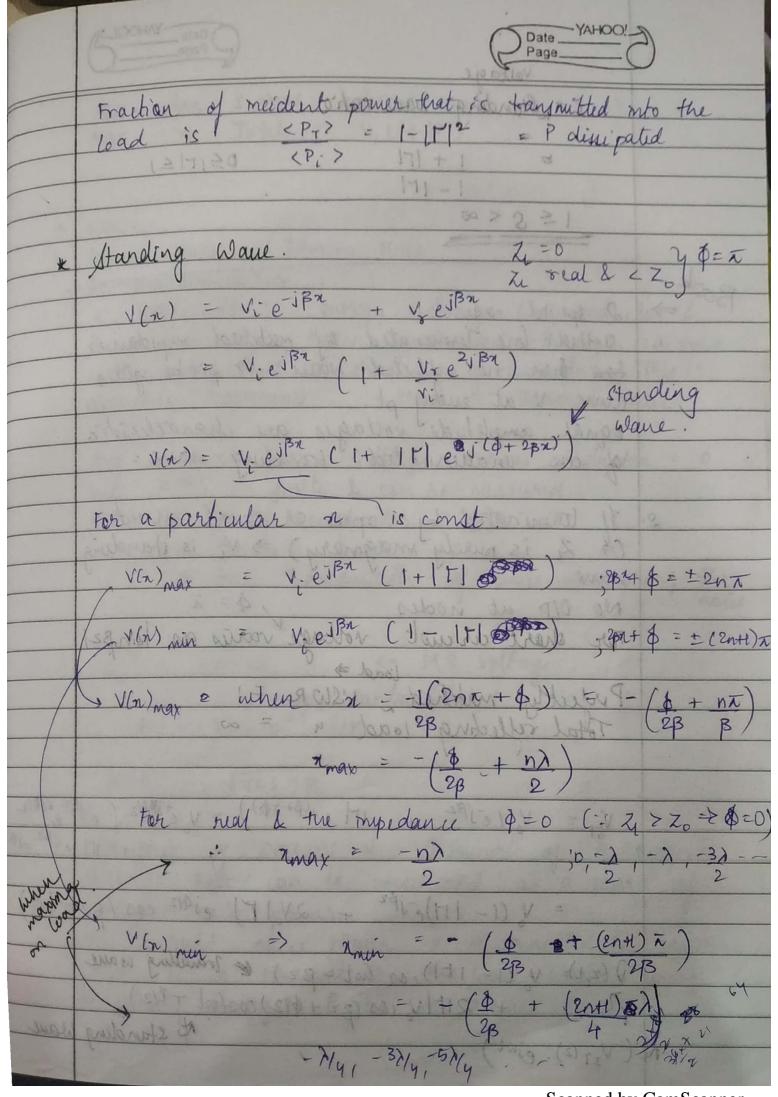




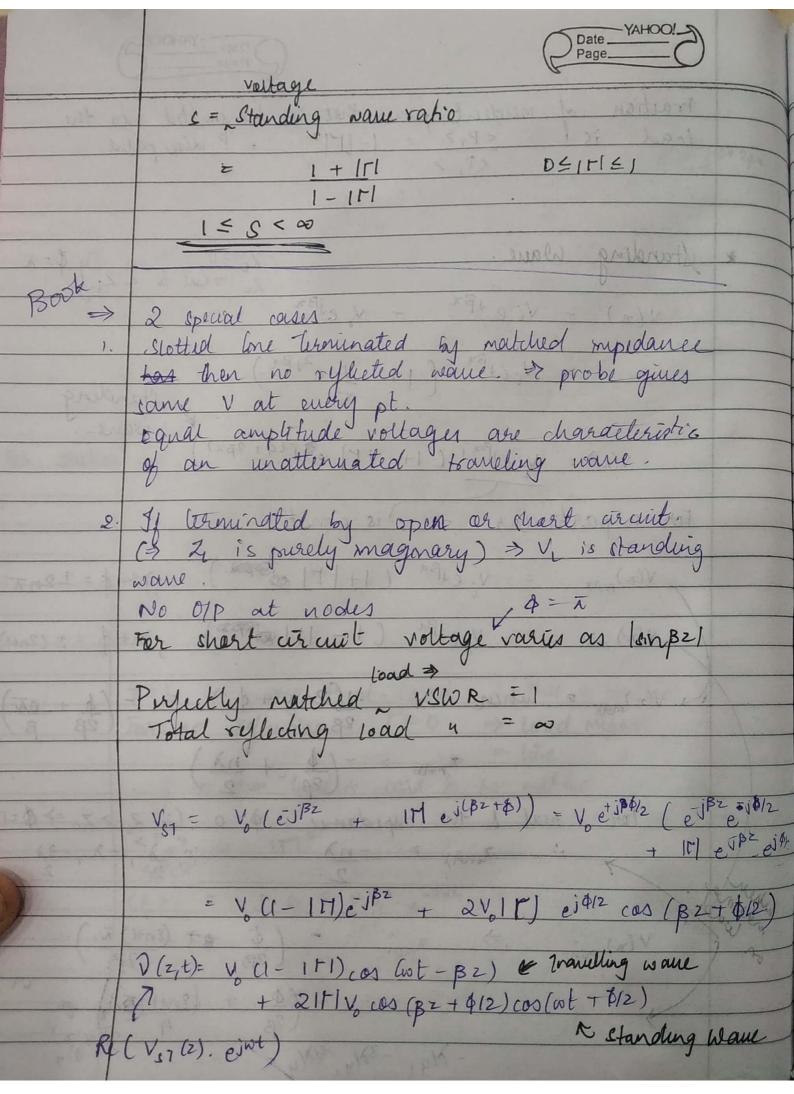
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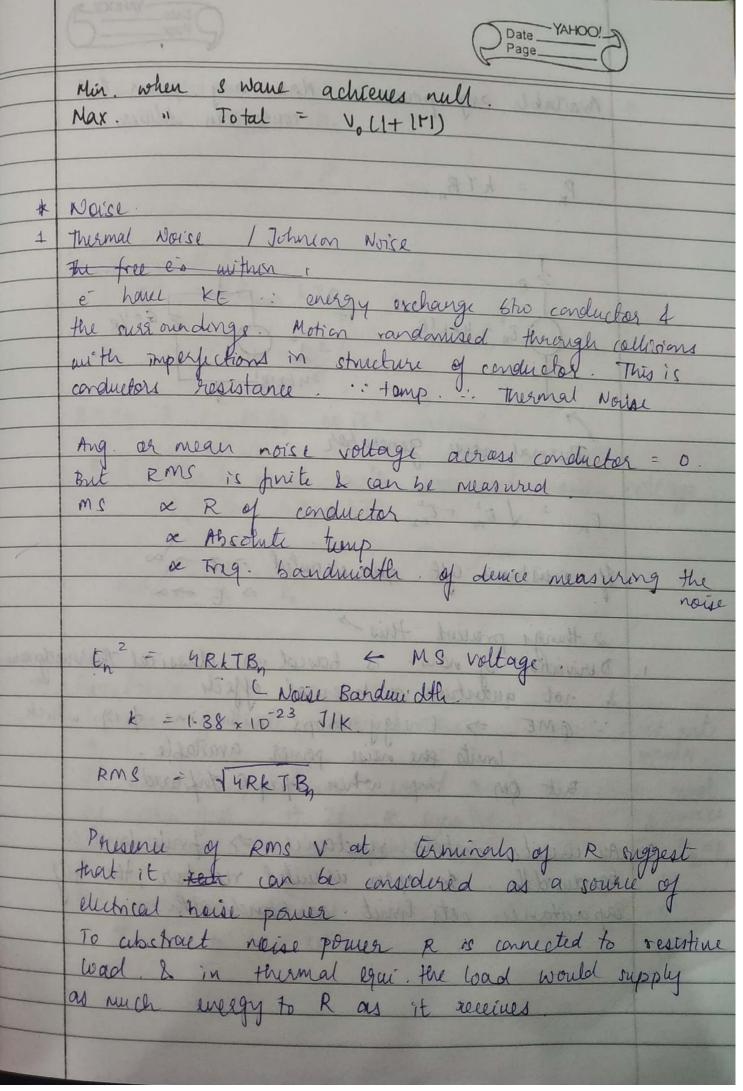


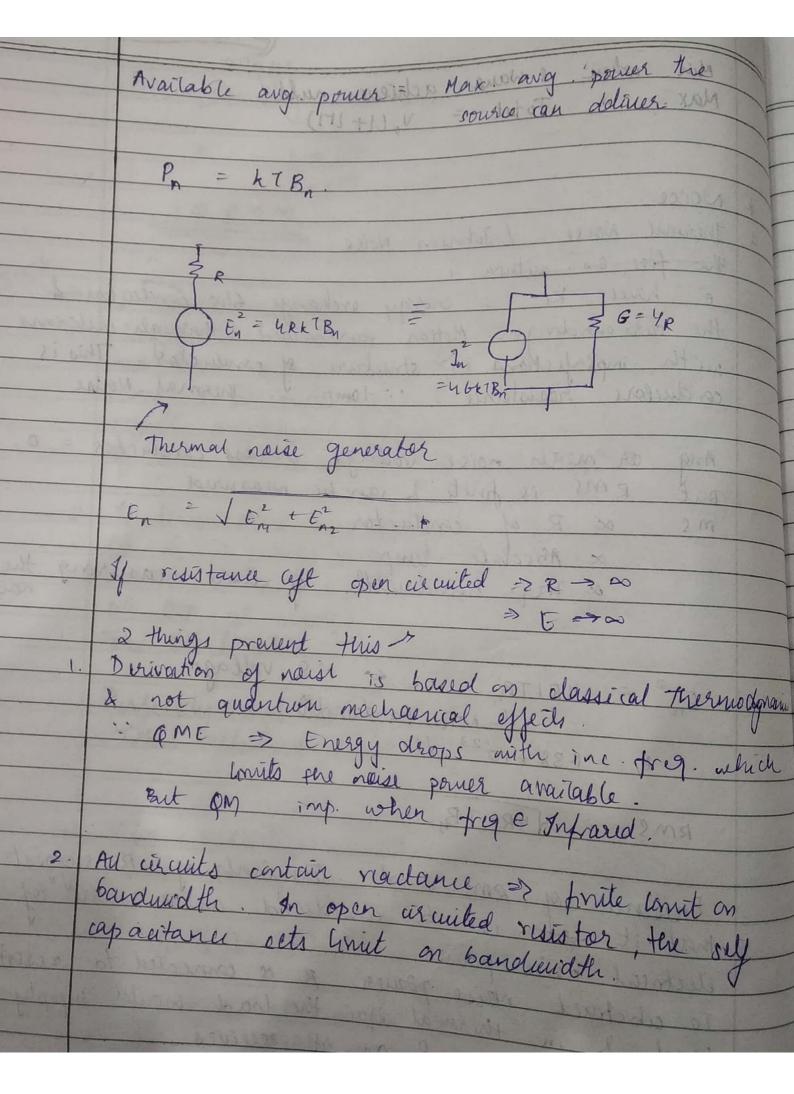
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Article 1	

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