$$\nabla \times H = \mathring{J} \omega \mathcal{E} \stackrel{\stackrel{\cdot}{E}}{=} 0$$

$$\nabla \times E = 0$$

$$\nabla \cdot H = 0$$

$$\nabla^2 E = \omega^2 \mathcal{U} \mathcal{E} \stackrel{\stackrel{\cdot}{E}}{=} 0$$

$$\nabla^2 E + \beta^2 E = 0$$

Prog = II Ell - hII HII

$$\Gamma_{v} = \frac{V}{V+1} = \frac{R_{v} - Z_{o}}{R_{v} + Z_{o}} = \frac{3-1}{3+1} = -\Gamma$$

$$\Gamma_{v} = \frac{\Gamma}{I+1} - \frac{V-1}{J+1} \qquad J = \frac{V}{J_{o}}$$

$$Z_{v} = \frac{V-1}{J+1} \qquad V_{v} = \frac{V}{J_{o}}$$

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[(d)=[e-28d Z(d) = Zo 1+ [(d) = Zo ZL+ jZo tan B 17(d) = Z(d) - Zo Z(d) + Zo Z(0) = Z_ = Z_0 1+1/2
1-1/2 1= = = 3-1 = + = 3+1 3(d) = 3 L+ 3 tan Bd 1 ti32 tamBd V= V+e jBd (1+11/ej21-jBd) Z Zo Zo - √ZiZz d= 7 vers axe R $\alpha = \text{Re}\left(\text{Jiwu}(\sigma+\text{jw}\varepsilon)\right) \stackrel{\text{No}}{=} = \frac{-\dot{b}\chi_0}{\omega} = \frac{-\dot{b}\chi_$ B= Im (√jωμ(0+jωε) /m = L= -× ξο

J'E de la charge

Bon conducteur: P>100 = E >100 EL ÎXE, STÊZ PCD $Sin(x) = cos(x-T_2)$ $E_x = A_x e^{-jR\cdot T_2}$ Phaseur Ex = Ax ejut ejkor complexe Ex=RegEx3=1Ax/cos(wt-For+On) On=LAx Red

