$$\frac{2}{2^{-6}(c)}$$

$$\hat{H}_{1}: \ \dot{y}(z) = 15e^{\frac{1}{2}20\lambda^{2}} - 5e^{-\frac{1}{2}20\lambda^{2}}$$

$$\dot{I}(\bar{z}) = \frac{3}{10} e^{\dot{j}20\lambda\bar{z}} + \frac{1}{10} e^{-\dot{j}20\lambda\bar{z}}$$

$$\dot{\tau}(z,t) = \frac{3}{10}\cos(3\pi x i 0^9 t + 20 x z)$$

$$+ \frac{1}{10}\cos(3\pi x i 0^9 t - 20 x z)$$

章 ない
$$\frac{1+\frac{1}{3}e^{-j4\sqrt{2}}}{1+\frac{1}{3}e^{-j4\sqrt{2}}}$$

2-10

υ解: 平行双导线特性阻抗。1 οτ =(ε) υ :福

$$Z_0 = \frac{120}{5} \sqrt{\frac{\mu_C}{E_{CRE}}} \sqrt{\frac{1}{2}} \sqrt{\frac{1}{$$

(5xe-50xxe) (5xe-50xxe) (6xe-50xxe) (6xe);

Bo = 60 (6xe-50xxe) (0xe-6xe);

(5xe-50xxe) (1xe-6xe-50xxe) (0xe-6xe);

人財進場十日本同、兵難減36-3次同

(c) [4: 1/2) = [10 e jaok + 10] sia (aoks)]

二月意明 表达式:

数学作业纸

姓名: 銀远 编号: 18373038 科目: 稅液 2~2作业

2-5

$$\dot{U}(\bar{z}) = 50 \left[e^{ij\lambda \bar{z}} + e^{-j\lambda \bar{z}} \right]$$

$$\int = \frac{W}{2\pi} = \frac{6\pi \times 10^8}{2\pi} = 3 \times 10^8 \text{ Hz}$$

$$v_p = \frac{u_0}{\beta} = 3 \times (v^8 m/s).$$

入射波治+33向,反射波治-33向

$$w = v_p \cdot 20\pi = 3\pi \times 10^9 \text{ fad/s}.$$

$$\lambda_p = \frac{2\lambda}{\beta} = p.1 \, m.$$

1. 瞬时表达式:

入射波: V;(3)= +5e+j>ont |v;|=15 mV

$$i(z) = 2 [e^{i2\lambda_1^2} + e^{-i2\lambda_2^2}]$$

$$r(z) = \frac{\dot{v}_r}{\dot{v}_i} = \frac{50 \text{ e}^{-j2xz}}{50 \text{ e}^{j2xz}} = \frac{-j4xz}{e}$$

驻波比

$$Z_{in}(z) = \frac{\dot{U}(z)}{z(z)} = 0$$

2.7

反射系数: ア(z)=e-j4元Z

反射波: Up(3)=-Ke-j2072 · | Up = 45 mV 负新阻抗: 31= 20 HP= 20