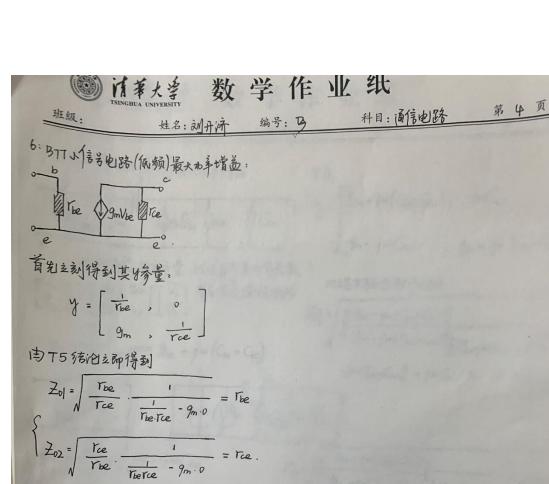


班級: 数学作业纸 5:打手用少参量表述的双端发现匹配相关公式: (章 y = [y11 、 y12] , 这刻得到 = [y22 , - y12] $\mathbf{Z} = \mathbf{y} - \mathbf{I} = \frac{1}{\mathbf{y}_{11}\mathbf{y}_{22} - \mathbf{y}_{12}\mathbf{y}_{21}} \begin{bmatrix} y_{22} & y_{12} \\ -y_{21} & y_{11} \end{bmatrix}$ 于是这刻有: $\Xi_{mo} = \int_{Z_{1,23}} Z_{1,20} = \int_{||Y_{11}||} \frac{y_{22}}{||Y_{11}||} \frac{1}{||Y_{11}||_{22}} - y_{12}y_{21}||$ $\Xi_{mo} = \int_{Z_{1,3}} Z_{2,10} = \int_{||Y_{12}||} \frac{y_{11}}{||Y_{12}||} \frac{1}{||Y_{11}||_{22}} - y_{12}y_{21}||$ 1电 y, 2参差可获得 ABCD参量 $ABOD = \begin{bmatrix} -\frac{y_{22}}{y_{21}} & -\frac{1}{y_{21}} \\ -\frac{y_{11}y_{22} - y_{12}y_{21}}{y_{221}} & -\frac{y_{11}}{y_{221}} \end{bmatrix}$ $R = \frac{\text{Re}(A^{2}D + B^{2}C)}{\|AD - BC\|} = \frac{\text{Re}(\frac{y_{22}}{y_{21}}|\frac{y_{11}}{y_{21}})^{2} + (\frac{1}{y_{21}}|\frac{y_{11}}{y_{22}}|\frac{y_{11}}{y_{21}})}{\|\frac{y_{11}}{y_{22}}\|^{2}} = \frac{y_{11}y_{22}-y_{12}y_{12}}{y_{21}^{2}}$ $= \frac{\text{Re}\left(\frac{1}{y_{21}^{2}}\left(y_{11}^{*}y_{22} + y_{11}y_{22} - y_{17}y_{21}\right)\right)}{\left\|\frac{y_{12}}{y_{22}}\right\|}$ MAG = 11 - 421 | Re(42 (11 422 + 11 1/22 + 1/11 1/22



故市双端特征阻抗匹配时以言与电路有:

The SymVbe Tree of the SymVbe T

