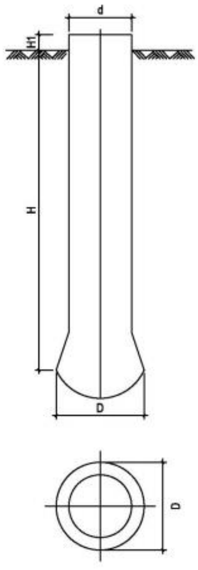
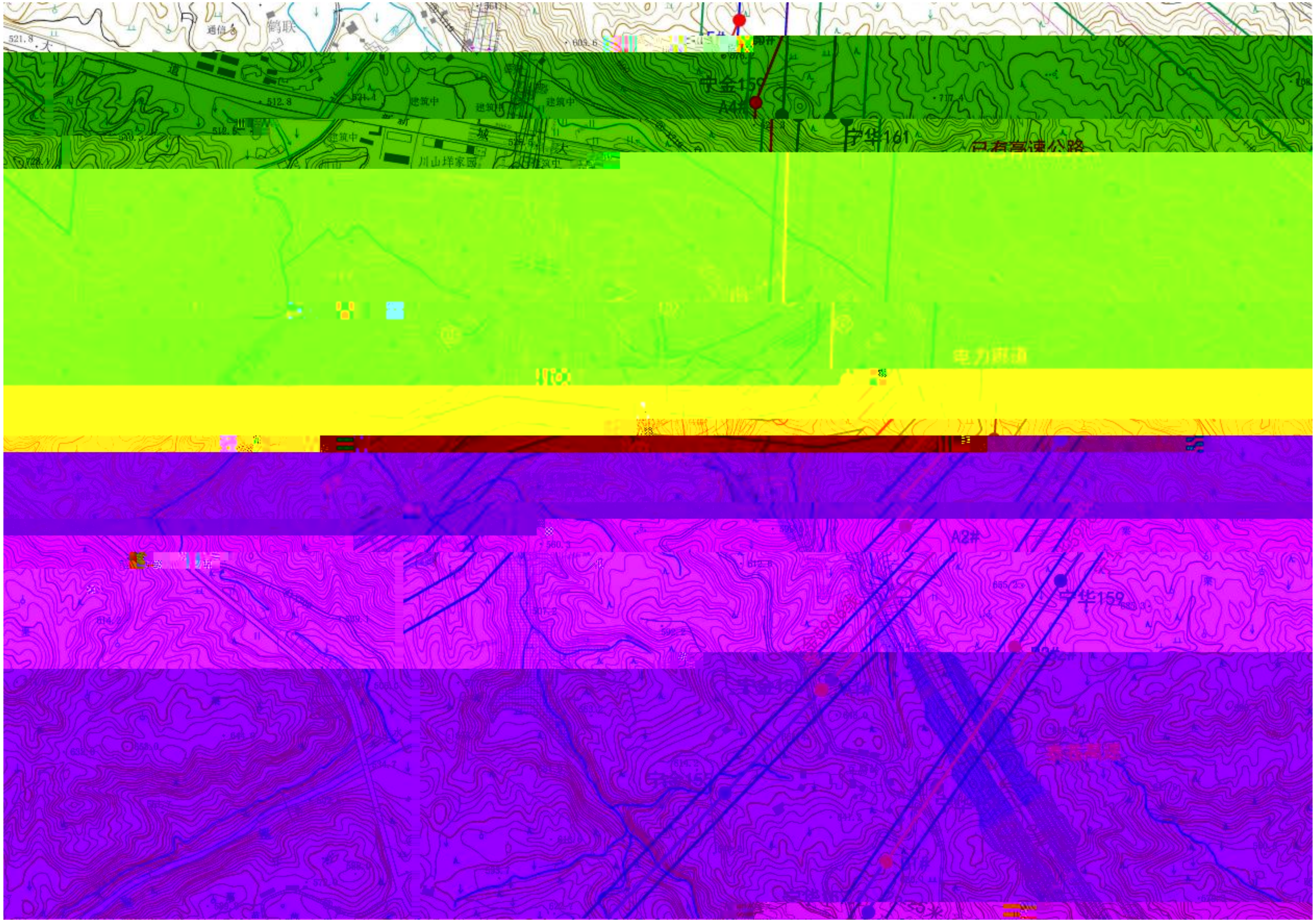



d
H1
H
D
D

[illegible]


鹤联
宁金159
A4#
宁华161
已有高速公路
川山坪家园
电力通道
A2#
宁华159

৪

[illegible]

@ÖÑ̃ʒ•a‘[illegible]

$$\begin{bmatrix} U \\ U \\ \vdots \\ U_m \end{bmatrix} = \begin{bmatrix} \lambda & \lambda & \cdots & \lambda \\ \lambda & \lambda & \cdots & \lambda_{m} \\ \vdots & & & \vdots \\ \lambda_m & \lambda_m & \cdots & \lambda_{mm} \end{bmatrix} \begin{bmatrix} Q \\ Q \\ \vdots \\ Q_m \end{bmatrix}$$

$[U]$

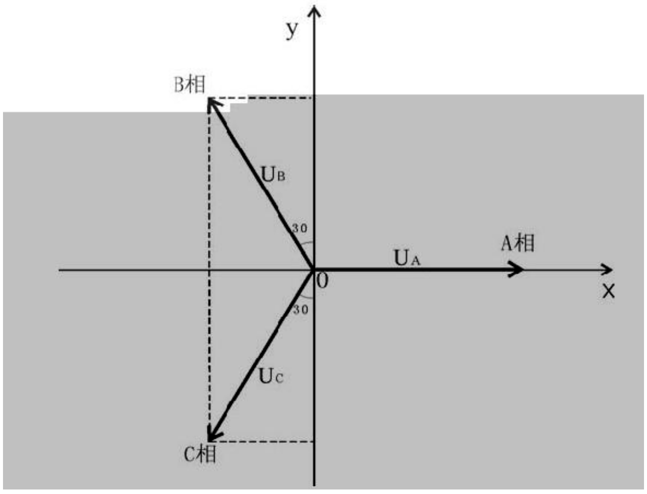
$[Q]$

$[\lambda]$

$[U]$

$\sqrt{\ }$

$\sqrt{\ }$



$[\lambda]$

$$\lambda_{ii} = \frac{}{\pi\varepsilon} \quad \frac{h_i}{R_i}$$

$$\lambda_{ij} = \frac{}{\pi\varepsilon} \quad \frac{L_{ij}}{L_{ij}}$$

$$\lambda_{ii} = \lambda_{ij}$$

ε $$\varepsilon = \frac{}{\pi} \times \ ^{-} F \quad m$$

R_i R_i

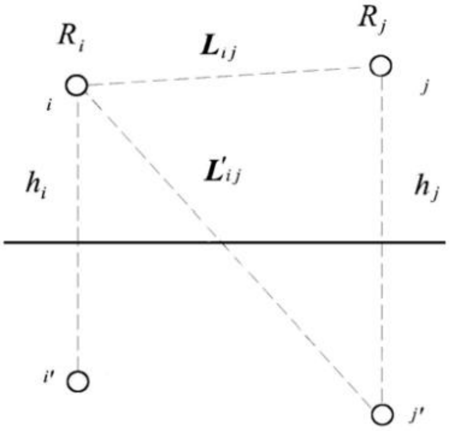
$$R_i = R \cdot \sqrt[n]{\frac{nr}{R}}$$

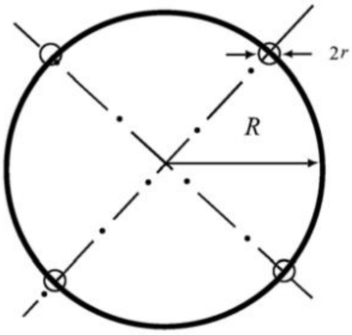
R

n

r

$[\lambda]$ $[Q]$





$$\overline{U}_i = U_{iR} + jU_{iI}$$

$$\overline{Q}_i = Q_{iR} + jQ_{iI}$$

$$[U_R] = [\lambda][Q_R]$$

$$[U_I] = [\lambda][Q_I]$$

E E

$$E_x = \frac{}{\pi\varepsilon} \sum_{i=}^{m} Q_i \left(\frac{x - x_i}{L_i} - \frac{x - x_i}{(L_i)} \right)$$

$$E_y = \frac{}{\pi\varepsilon} \sum_{i=}^{m} Q_i \left(\frac{y - y_i}{L_i} - \frac{y + y_i}{(L_i)} \right)$$

L_i $L_i^{`}$ i

$$\overline{E_x} = \sum_{i=}^{m} E_{ixR} + \sum_{i=}^{m} E_{ixI}$$
$$= E_{xR} + jE_{xI}$$

$$\overline{E_y} = \sum_{i=}^{m} E_{iyR} + \sum_{i=}^{m} E_{iyI}$$
$$= E_{yR} + jE_{yI}$$

E_{xR}

E_x

E_{yR}

E_y

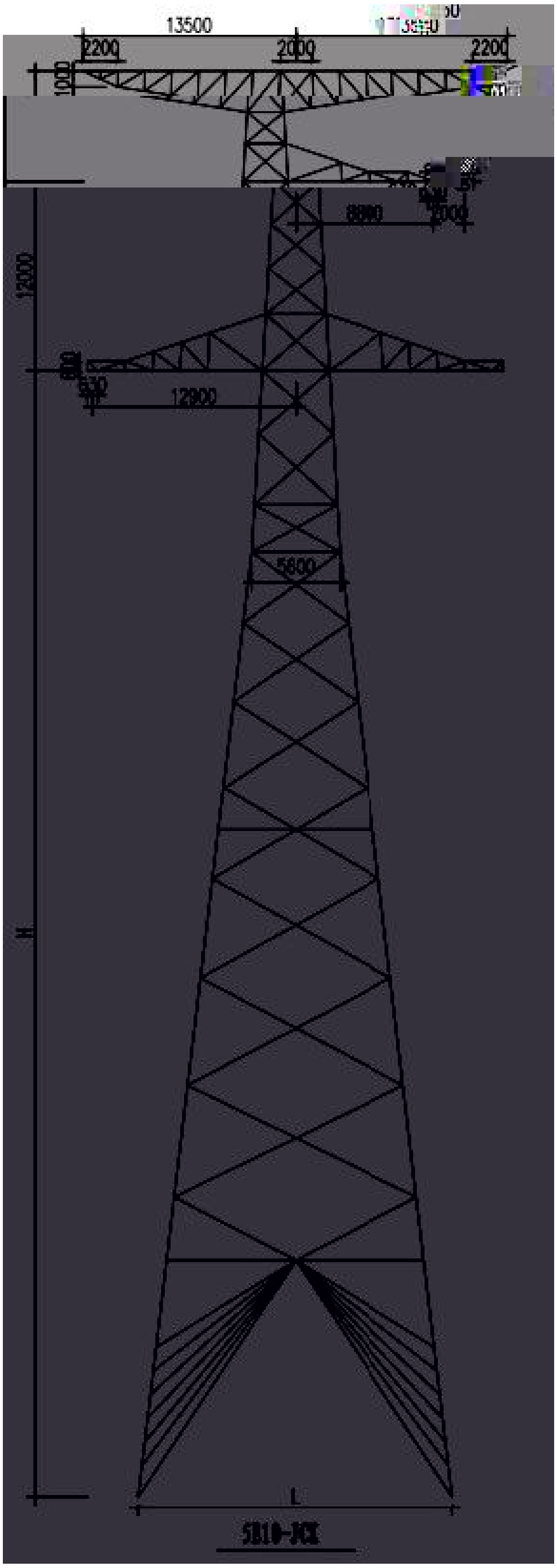
$$\overline{E} = \left(E_{xR} + jE_{xI}\right)\overline{x} + \left(E_{yR} + jE_{yI}\right)\overline{y}$$
$$= \overline{E}_x + \overline{E}_y$$

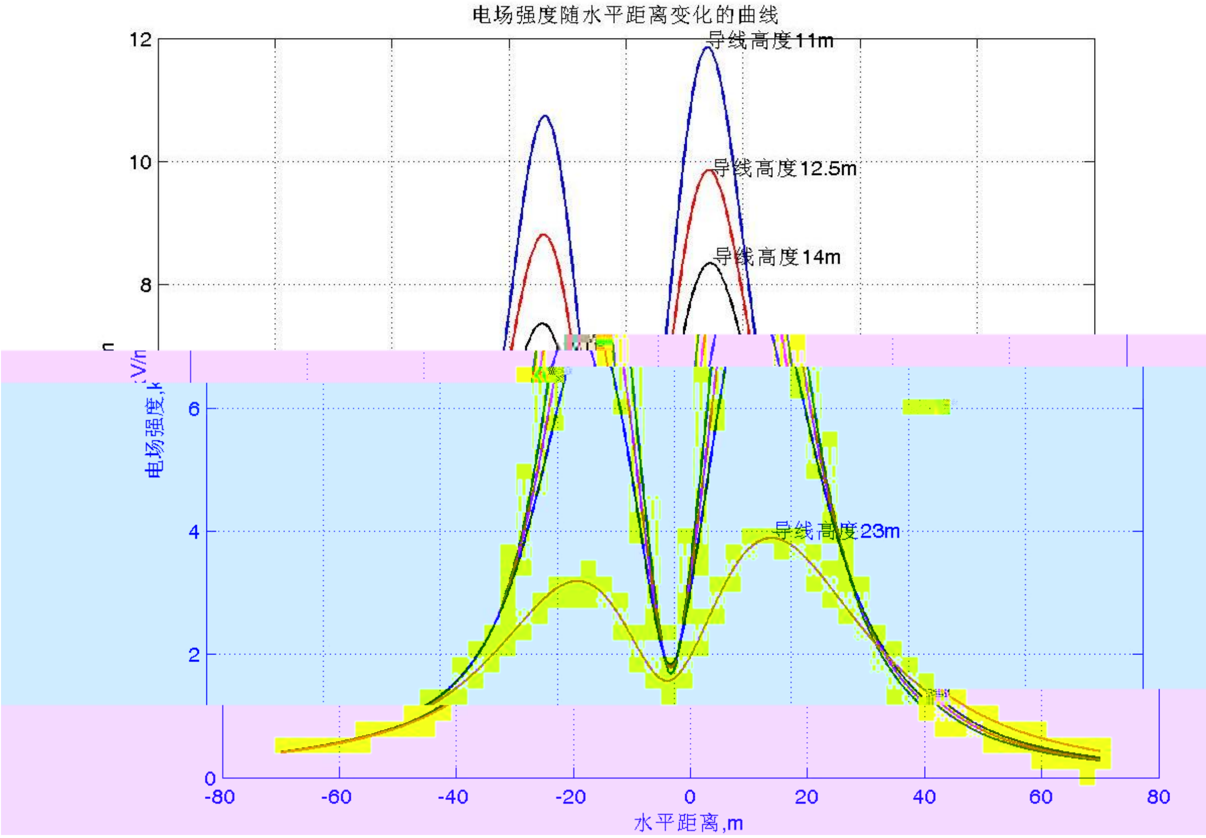
$$E_x = \sqrt{E_{xR} \quad + E_{xI}}$$

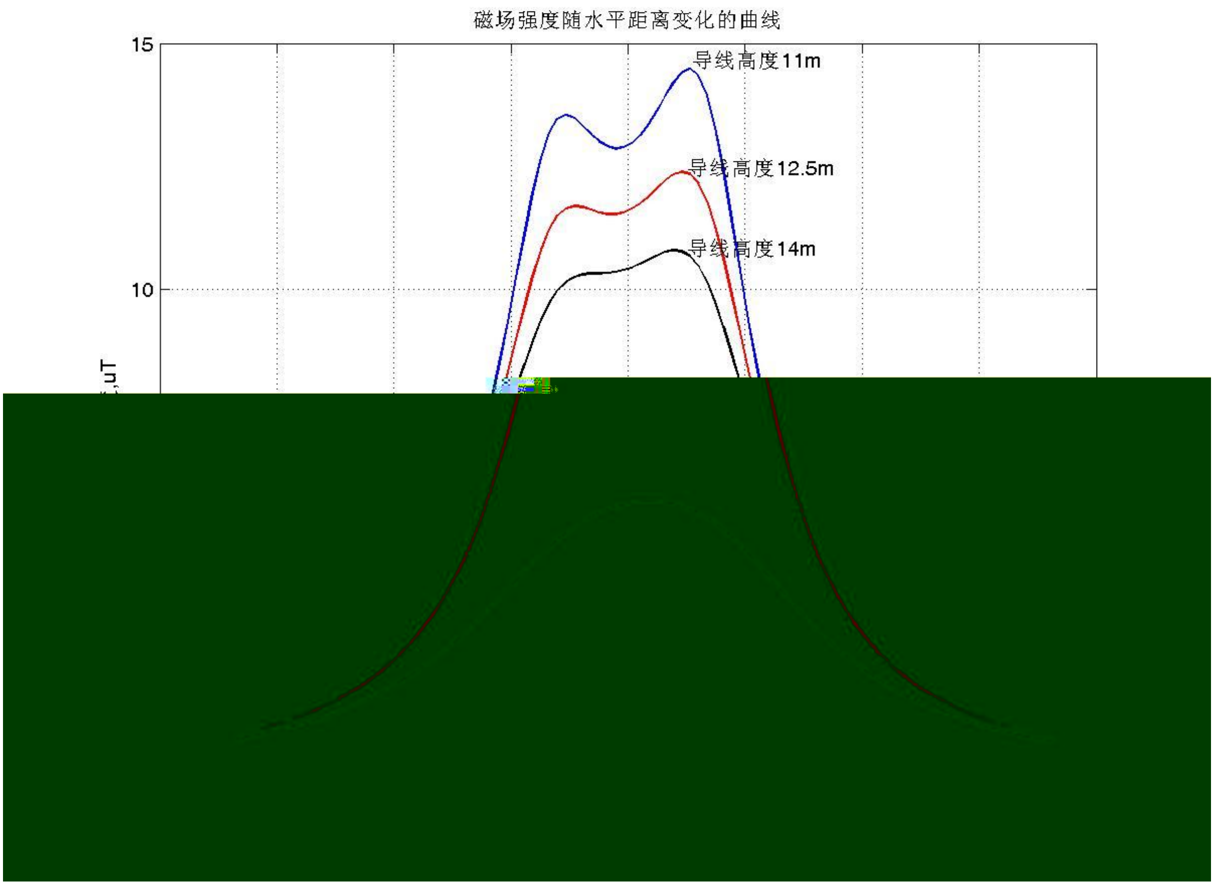
$$E_y = \sqrt{E_{yR} \quad + E_{yI}}$$

$$H = \frac{}{\pi\sqrt{h \quad + L}}$$

$$B = \frac{\mu_0 I}{2\pi r} \quad T$$


13500
2200
2000
2200
1000
8800
2000
12000
600
530
12900
5600
H
L
SB10-JCK


电场强度随水平距离变化的曲线
导线高度11m
导线高度12.5m
导线高度14m
导线高度23m
水平距离,m


磁场强度随水平距离变化的曲线
导线高度11m
导线高度12.5m
导线高度14m

