

B 220kV

1

1.1 0.5 Ш

1.2 Ч 0.5 Ш В Ч

Ш

1.3

% | . . . | 100% 5% 50Hz ¥ 5%Ш

1.4 250

Ш

1.5

1

Ш

1.6 Ч 25mm²

Ч

Ш

1.7 0.5

Ш

1.8

Ч

Ш

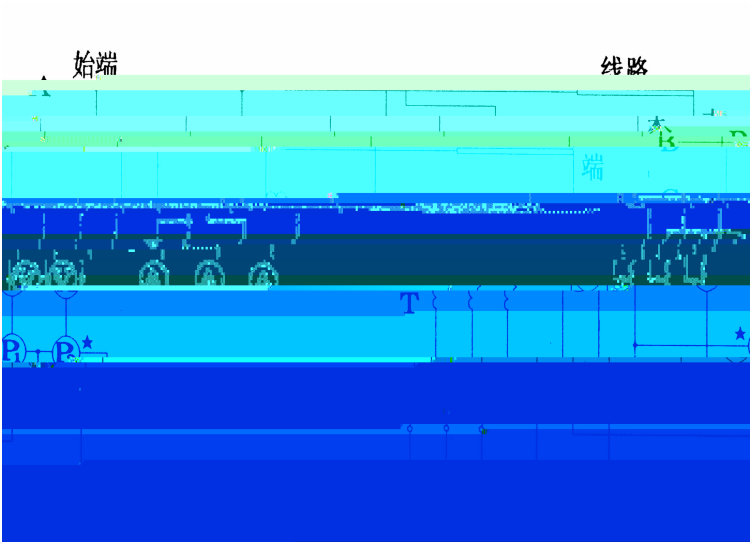
1.9 CVT Ч

CVT

Ш GIS PT

Ш

1.10



┆ Ł Ш

2

2.1

B1

$$\frac{\quad}{3}$$

$$\frac{\quad}{3}$$

$$_1 \quad _2 \quad (\quad)$$

B1

$$_1 \quad \frac{\quad}{3^2} \quad (\quad / \quad)$$

$$_1 \quad \frac{\quad}{\sqrt{3}} \quad (\quad / \quad)$$

$$_1 \quad \sqrt{\frac{{}_1^2}{{}_1^2} \frac{{}_1^2}{{}_1^2}} \quad (\quad / \quad)$$

①

Ш

②

200

Ш

Ž

$$0.09+j0.4 \quad / \quad /$$

$$0.06+j0.3 \quad / \quad /$$

$$0.03+j0.28 \quad / \quad /$$

$$_1 \frac{1}{1} \quad 70 \square \quad 85 \square$$

2.2

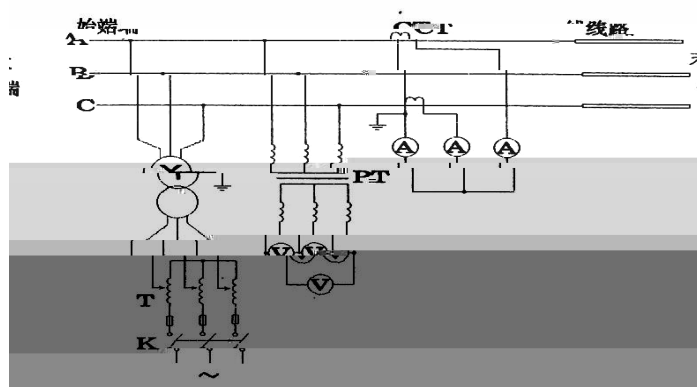
B2 :

ž

200 山

ž

a

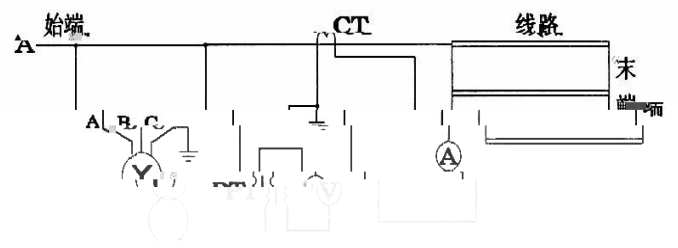


B3

2.4

B4 :

$$\begin{aligned} & 0 \quad \frac{0}{3} \\ & 0 \quad 0 \\ & 0 \quad \frac{0}{2} \quad 10^{12} \end{aligned}$$



$$\begin{aligned} \hat{y} & \quad 6 \quad 10 \quad \text{II} \\ \ddot{Y} & \quad Y_0 = \quad 0.6 \end{aligned}$$

0.8) Y_1 III

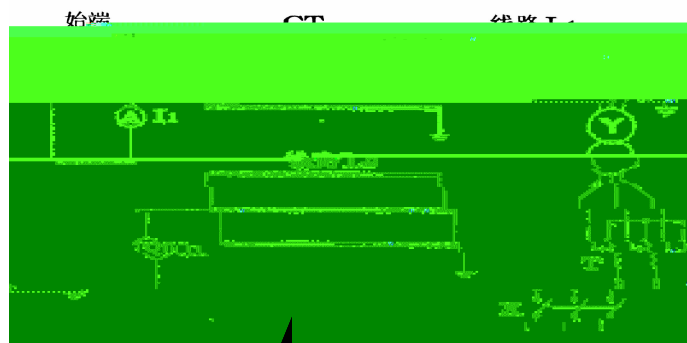
$$Y_0 > Y_1 \quad \text{III}$$

2.5

B5

0'

$$\lambda \quad e \quad z \quad \hat{A} \quad \hat{A} \quad \hat{A}$$



B5

$$0\quad \frac{1\quad 2}{2}$$

$$0\quad \sqrt{1\quad 2\quad 1\quad 2}$$

$$0\quad \frac{2}{1}{}_0\cos{}_0\quad /$$

$$0\quad \frac{2}{1}{}_0\sin{}_0\quad /$$

$$0\quad \sqrt{{}_0^2\quad {}_0^2}\quad (\quad /$$

$$\hat{y}\qquad 200\qquad 1.6\,\text{Í}\,\mathfrak{U}\mathbb{W}$$

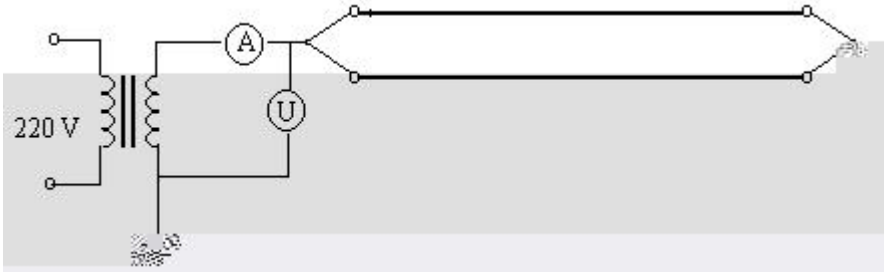
$$\ddot{Y}\qquad \mathbb{W}$$

$$\dot{Z}$$

$\ddot{Y}$ 8500 / ()

3.4

B9



B9

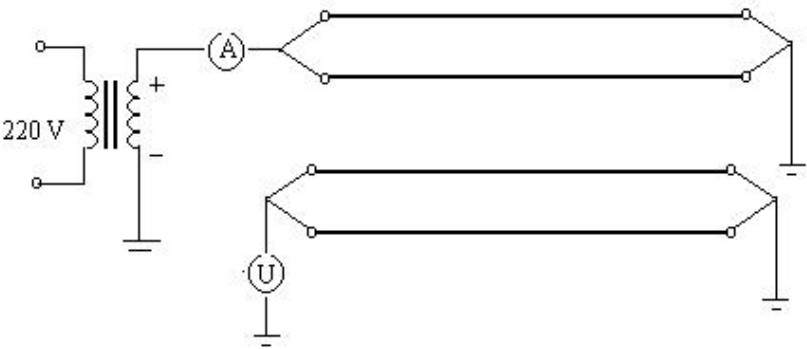
$$0 \frac{\quad}{2} \text{ s } 10^{12}$$

$\hat{y}$ 6 10 Ш

$\ddot{Y}$ 0.6 0.8) ₁

3.5

B10



B10

$$\frac{2}{\quad} /$$
$$0 \quad 0 \quad /$$

$\hat{y}$ 300 Ш

$\ddot{Y}$ 0.4-0.6 ₀ (₀)Ш

4

4.1

Ч

40Hz

60Hz

Ш

4.2

Ч

Ш

4.3

4.3.1

0.25 á 250 á

¥ 2

4.3.2

0.05 í F 10 í F

¥ 2

4.3.3

0.1 □ 360 □

¥ 2

4.3.4

40A

2AШ

4.4

Ш

4.5

Ш

4.6

4.6.1

Ш

4.6.2

Ш

4.6.3

Í

Ł

Ш

4.6.4

Ш

5

5.1

Ч

Ч

Ч

Ч

Ч

Ш

5.2

25%

Ш

(100%

Ш

Ш

a

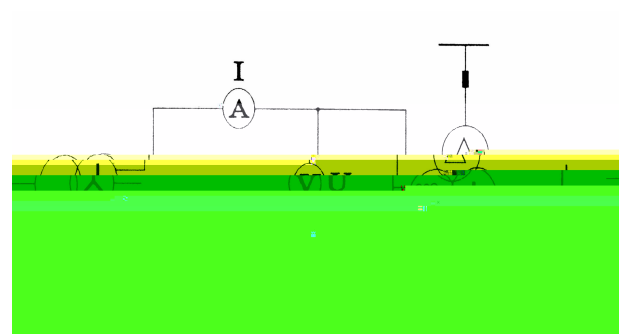
Ш

Ш

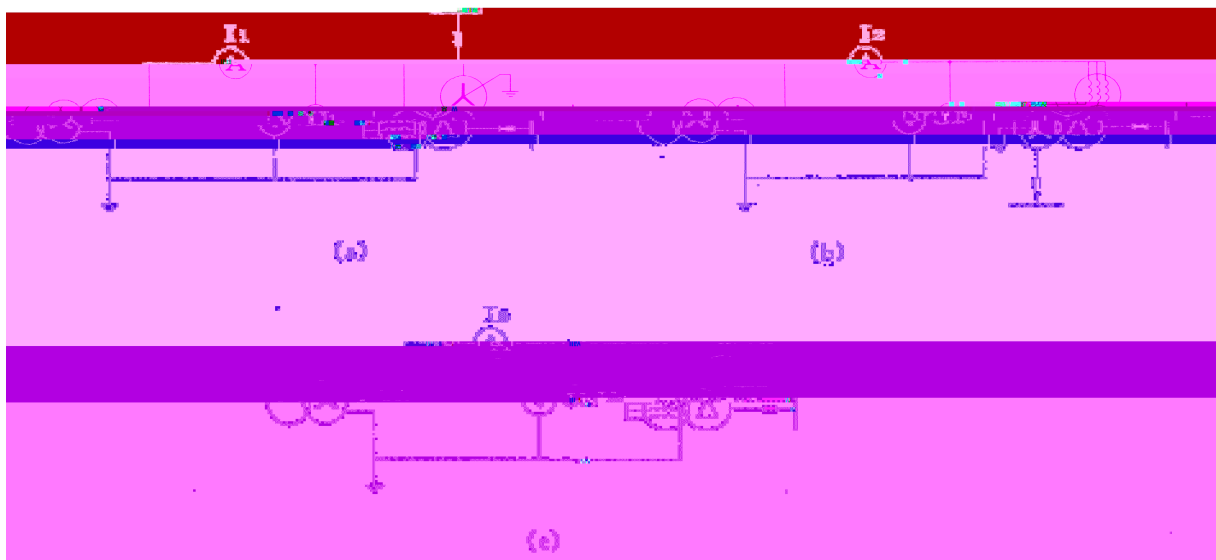
b

100%

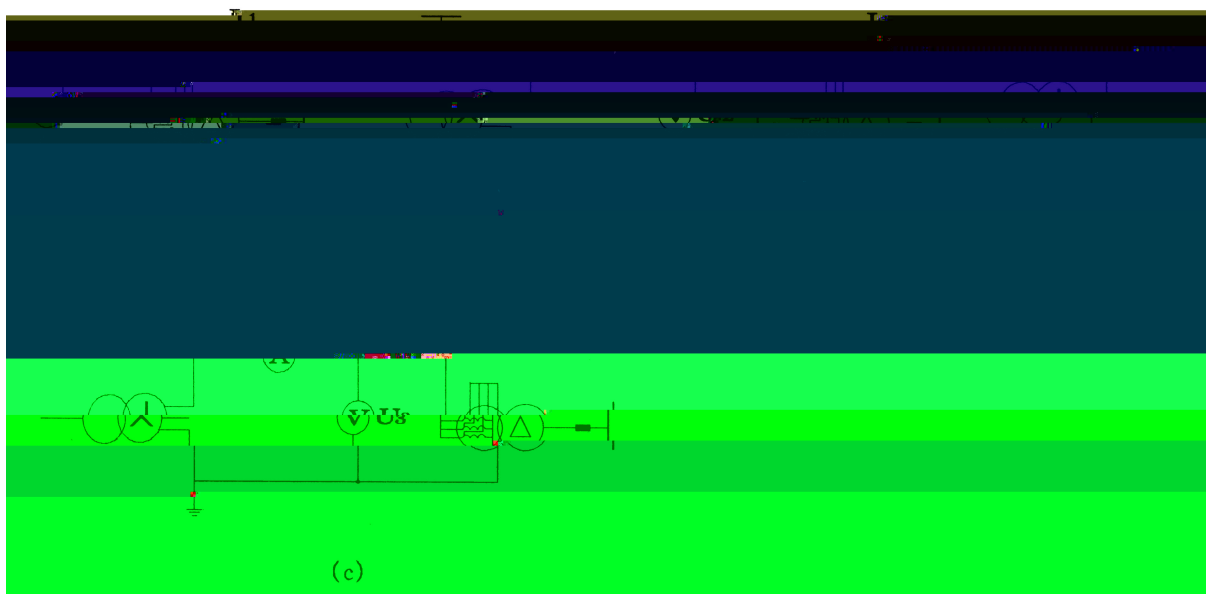
- c. Ω Ω
- d. 1 2 Ω



B11 $Y_0/Y/M$ $4Y_0/M/Y$ $4Y_0/M/M$



B12 $Y_0/Y_0/M$



B13 Y_{0-0}/M

$\hat{y}$ M

$\ddot{Y}$ M

(b Ш

$\dot{Z}$ M

d_{13} (a Ш

d_{23}

$d_{1,2\ 3}$

c Ш

-

