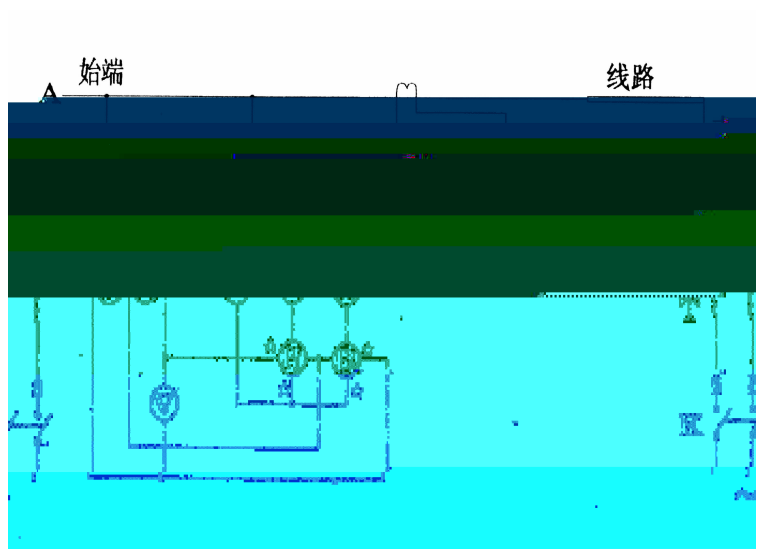


% | . . . | 100% 5%



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

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

$$1 \quad 2$$

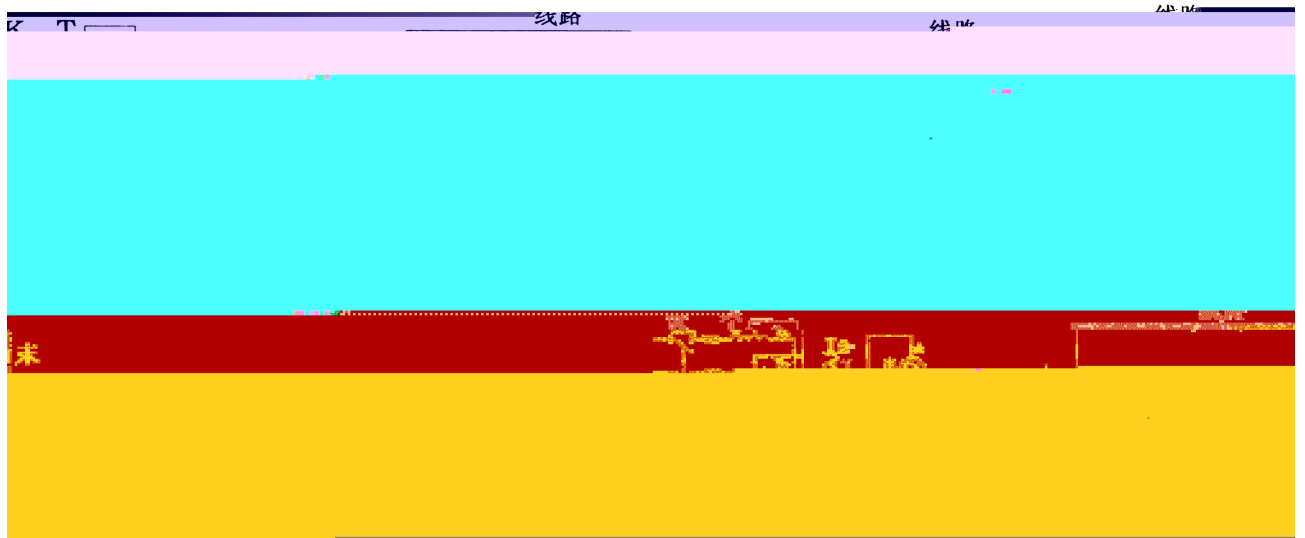
$$1 \quad \frac{\quad}{3^2}$$

$$1 \quad \sqrt{\quad}$$

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



$$1 \quad \frac{1}{1}$$



0

$$1 \quad \cos^{-1} \frac{1}{1 \cdot 1}$$

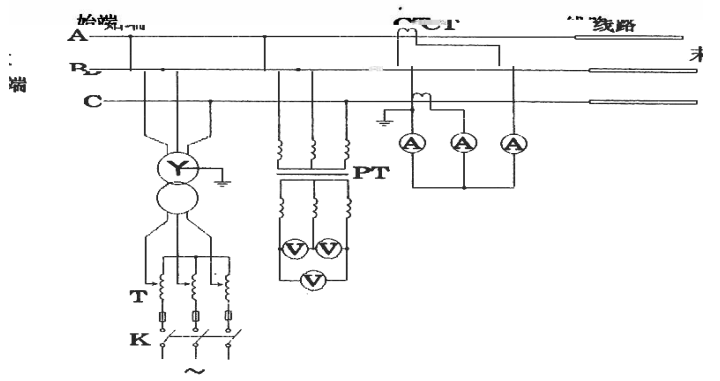
$$2 \quad \cos^{-1} \frac{2}{2 \cdot 2}$$

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

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

$$0 \quad \frac{3 \cdot 0}{1} \cos \quad 0$$

$$0 \quad \frac{3 \cdot 0}{1} \sin \quad 0$$



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

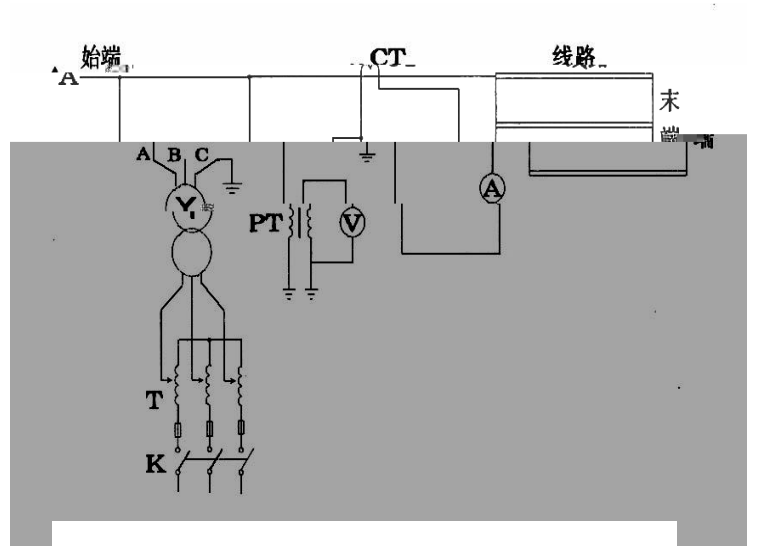
$$\frac{3}{3}$$

$$1 \frac{\sqrt{3}}{1}$$

$$1 \quad 1$$

$$\frac{1}{2} 10^{12}$$

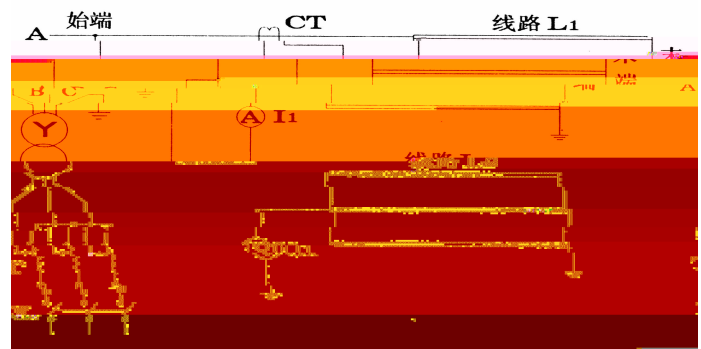
$$\frac{0}{2} \frac{0}{10^{12}}$$



$$\frac{0}{1} \frac{3}{1}$$

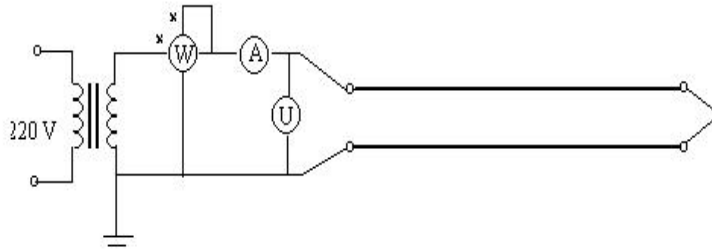
$$\frac{0}{2} 1000$$

0 0



3.1

B6



B6



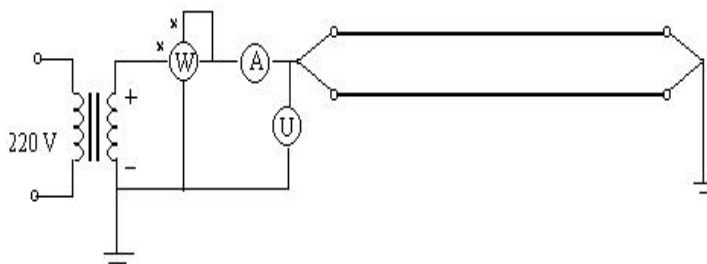
$$1 \quad \frac{1}{2}$$

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

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



3.2



B7

B7

$$1 \quad \cos^{-1} \frac{1}{1 \cdot 1}$$

$$2 \quad \cos^{-1} \frac{2}{2 \cdot 2}$$

$$I_0 = \frac{I_1 + I_2}{2}$$

$$I_0 = \sqrt{\frac{I_1^2 + I_2^2}{2}}$$

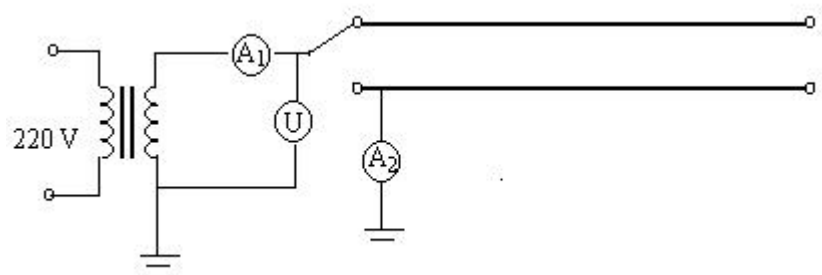
$$I_0 = \frac{2 I_0 \cos \theta}{2}$$

$$I_0 = \frac{2 I_0 \sin \theta}{2}$$

$$I_0 = \sqrt{\frac{I_0^2 + I_0^2}{2}} \quad ($$

200 1.6 U

0 2.0 4.0) 1



0 1 2

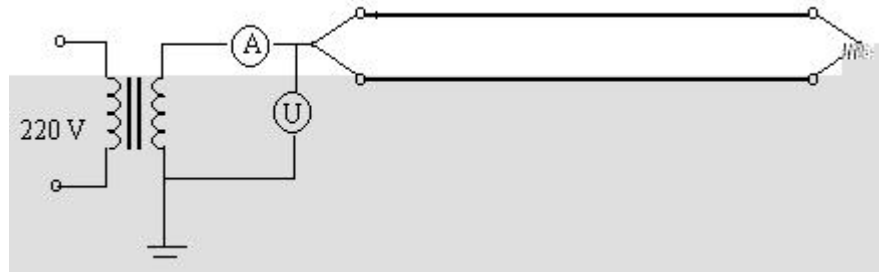
$$I_0 = \frac{I_0}{12}$$

$$I_2 = \frac{I_0}{12}$$

$$I_1 = \left(\frac{2}{3} I_0 \right) \quad 12$$

3.4

B9



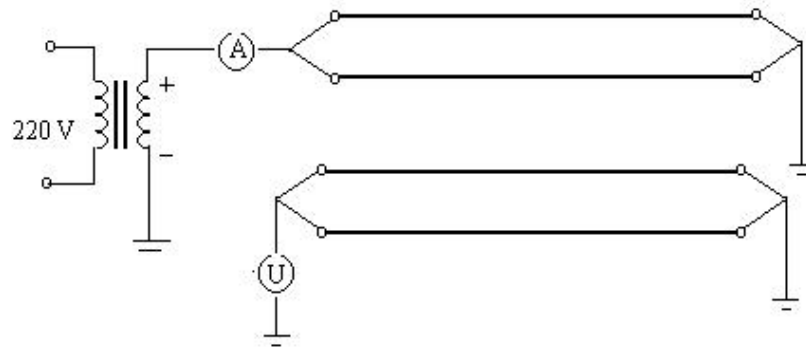
B9

$$0 \quad \frac{\quad}{2} \quad 12$$

1

3.5

B10



B10

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

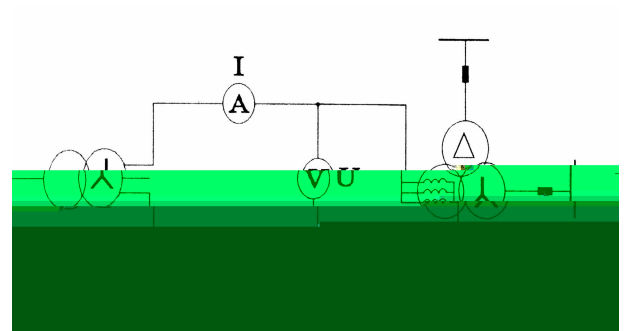
300

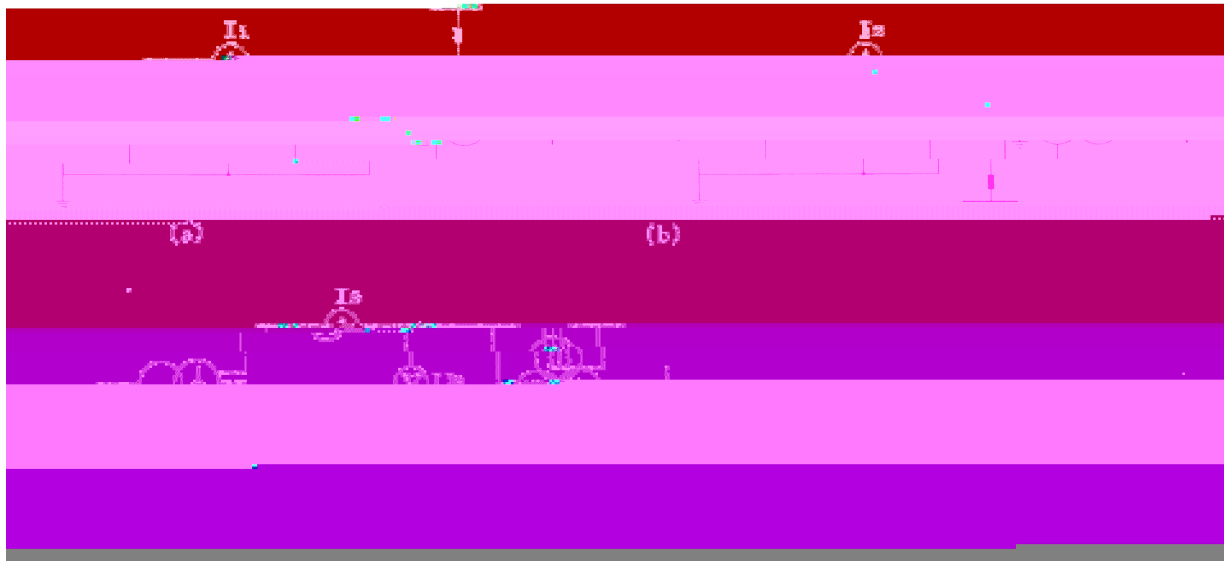
0 0

40Hz

60Hz

4.2





3

$$13 \sqrt{23(13 \cdot 1.2 \cdot 3)}$$

$$23 \sqrt{23(13 \cdot 1.2 \cdot 3)}$$

$$\sqrt{23(13 \cdot 1.2 \cdot 3)}$$



13

13

13

23

23

23