

ମିଶ୍ର ଚଳ ତତ୍ତ୍ୱ ମାନ

$$1. I = \frac{V}{R}$$

$$2. E = \frac{W}{q}$$

$$3. R = \rho \frac{L}{A} = \rho \frac{L}{n p^2}$$

$$4. R_\theta = R_0(1 + \alpha \theta)$$

$$5. R_s = R_1 + R_2 + R_3$$

$$6. \frac{1}{R_p} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3}$$

୪. ସମାନ୍ତରାଳ ବିଦ୍ୟୁତ୍ ମାଧ୍ୟମ:

$$\textcircled{I} I_1 = \frac{R_2}{R_1 + R_2} \cdot I$$

$$\textcircled{II} I_2 = \frac{R_1}{R_1 + R_2} \cdot I$$

$$8. I = \frac{E}{R + r}$$

$$9. I_s = \frac{nE}{R + nr}$$

$$10. I_p = \frac{nE}{nR + r}$$

$$11. \frac{P}{R} = \frac{R}{S}$$

$$12. \frac{P}{\alpha} = \frac{1}{100 - 1}$$

$$13. V_1 = \left(\frac{R_1}{R_1 + R_2} \right) \cdot V$$

$$14. V_2 = \frac{R_2}{R_1 + R_2} \cdot V$$

$$15. E = IR/L$$

$$16. \frac{r}{R} = \frac{L_1 - L_2}{L_2}$$

$$17. I = \frac{a}{t}$$

$$18. I = nAve = JA$$

$$19. J = nve$$

$$20. G = 1/R$$

$$21. \sigma = \frac{1}{\rho}$$

$$22. E = V + \phi = Ir + IR$$

$$23. V = Ir$$

$$24. I_g = \frac{S}{G + S} \cdot I$$

$$25. I_s = \frac{G}{G + S} \cdot I$$

$$26. S = \frac{G}{n - 1}$$

$$27. I_s = \frac{n - 1}{n} \cdot I$$

$$28. \text{ଆଲ୍ଟର ଫ୍ରମ୍‌ମା ଗୁଣକ} = \frac{G + S}{S}$$

$$29. E = I \sigma$$

$$30. I_p = \frac{\frac{E_1}{r_1} + \frac{E_2}{r_2} + \frac{E_3}{r_3}}{1 + R \left(\frac{1}{r_1} + \frac{1}{r_2} + \frac{1}{r_3} \right)} \quad (\text{Pam})$$

Hsc 2011physics 1st Paper

Terry C. Jones



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