Exemples cours Corrigé

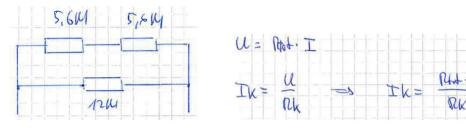


Page 35	Tension partielle et courant dans un circuit série	1.51 V, 46 uA
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$$U_{K} = \frac{33}{12+27+33} \cdot 3.3 = 1.51$$

$$I = \frac{U_{1}}{\Omega_{4}} = \frac{1.51}{33} = 46 \mu A$$
 $I = \frac{U}{2R} = \frac{3.7}{72} = 46 \mu A$

Page 37	I DURANT NATUOLOT TONGIAN NANG UN CITCUIT NATAUDIO	62 uA, UR12M = 695V, UR5M6 = 347.5 V
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$$U_{12M} = (120 - 62) \cdot 10^6 \cdot 12 \cdot 10^6 = 695 V$$

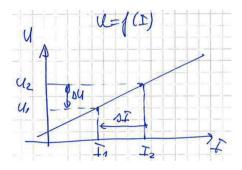
$$U_{5M6} = 62 \cdot 5,6 = 347,6V = \frac{U_{12M}}{2}$$

Exemples cours Corrigé



Page 39 Courants et puissances dans une lampe à incandescence A froid 7A /1600 W, A chaud 0.43 A / 99.8 W

$$I = \frac{U}{R} = \frac{230}{33} = 7 \text{ A}$$
 à frond $P = 1600 \text{ W}$
 $I = \frac{U}{R} = \frac{230}{530} = 0.43 \text{ A}$ à chard $P = 95.8 \text{ W}$



pento =
$$\frac{SU}{SI} = \frac{U_2 - U_1}{I_2 - I_1} = R$$