

Elektriciteit

1. weerstand $R = \frac{U}{I}$
2. vermogen $P = U \cdot I$
3. energie $E = P \cdot t$
4. draadweerstand $R = \rho \cdot \frac{l}{A}$
5. stroomvertakkingen $I = I_1 + I_2$
6. serieschakeling $R_v = R_1 + R_2 + \dots$
7. parallelschakeling $\frac{1}{R_v} = \frac{1}{R_1} + \frac{1}{R_2}$ of $R_v = \frac{R_1 \cdot R_2}{R_1 + R_2}$
8. transformator $\frac{n_p}{n_s} = \frac{U_p}{U_s}$
9. vermogen bij ideale transformator $P_p = P_s$