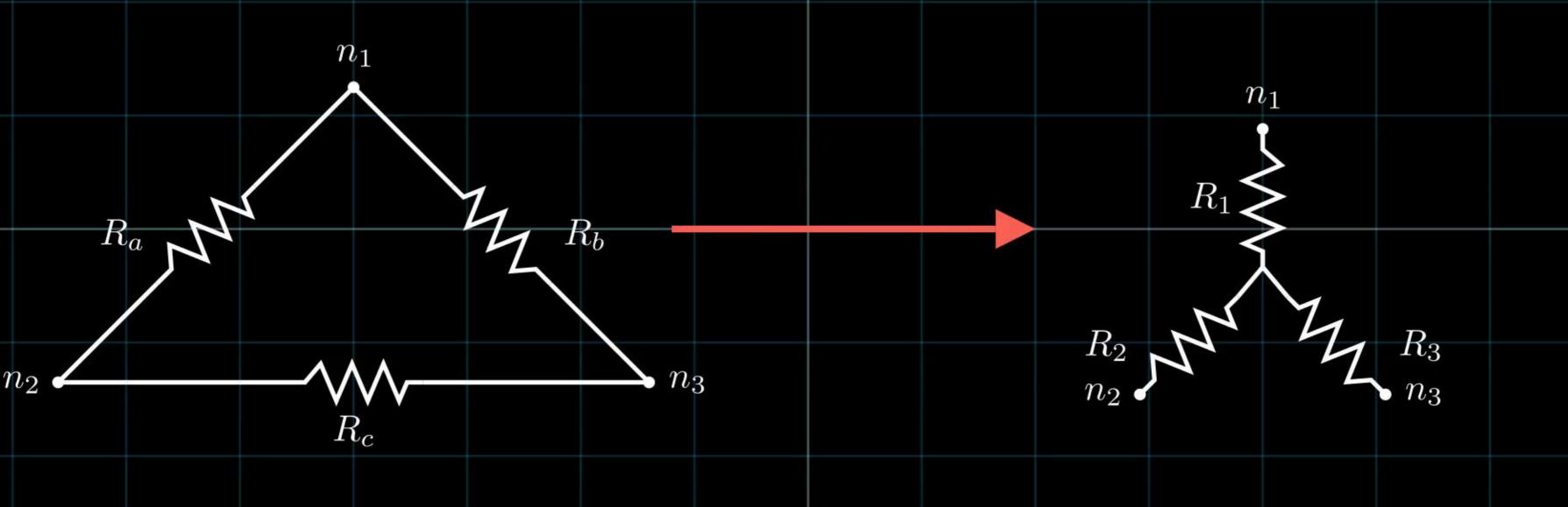
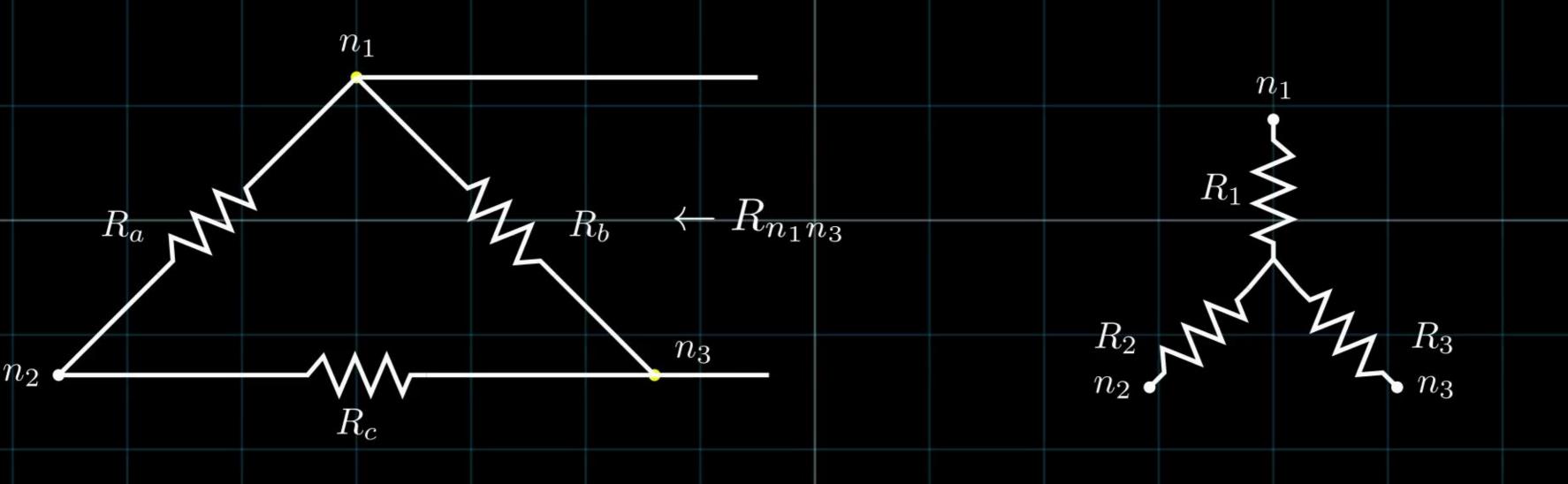


## Delta-Wye Transform $n_1$ $n_2$ $n_3$

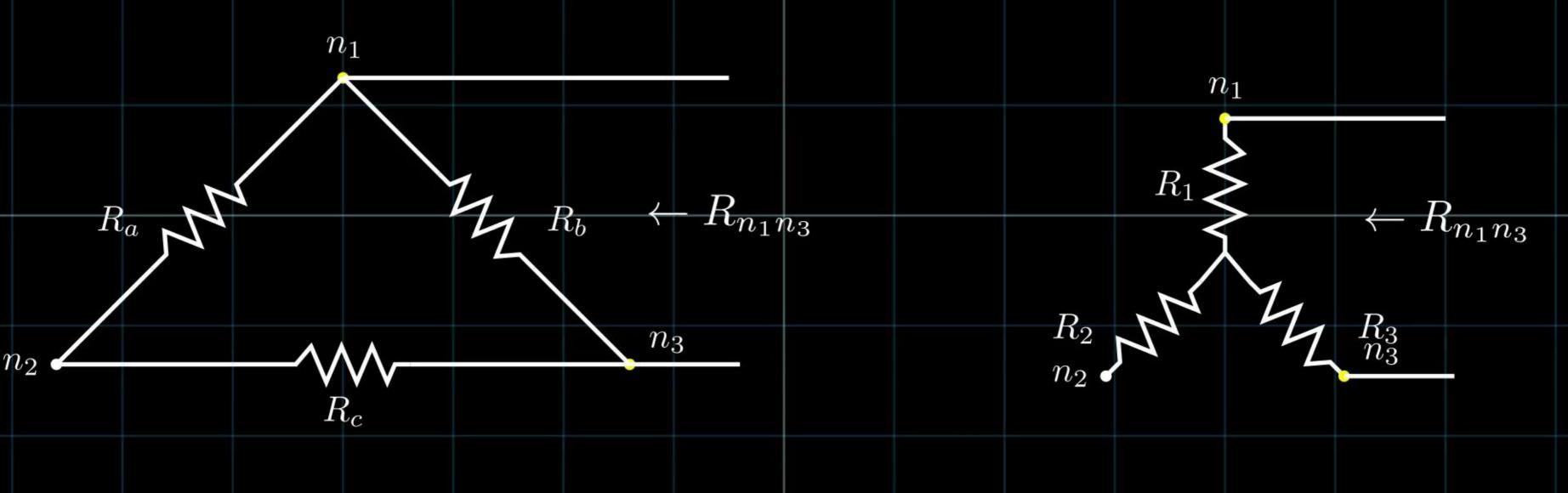
## Delta-Wye Transform

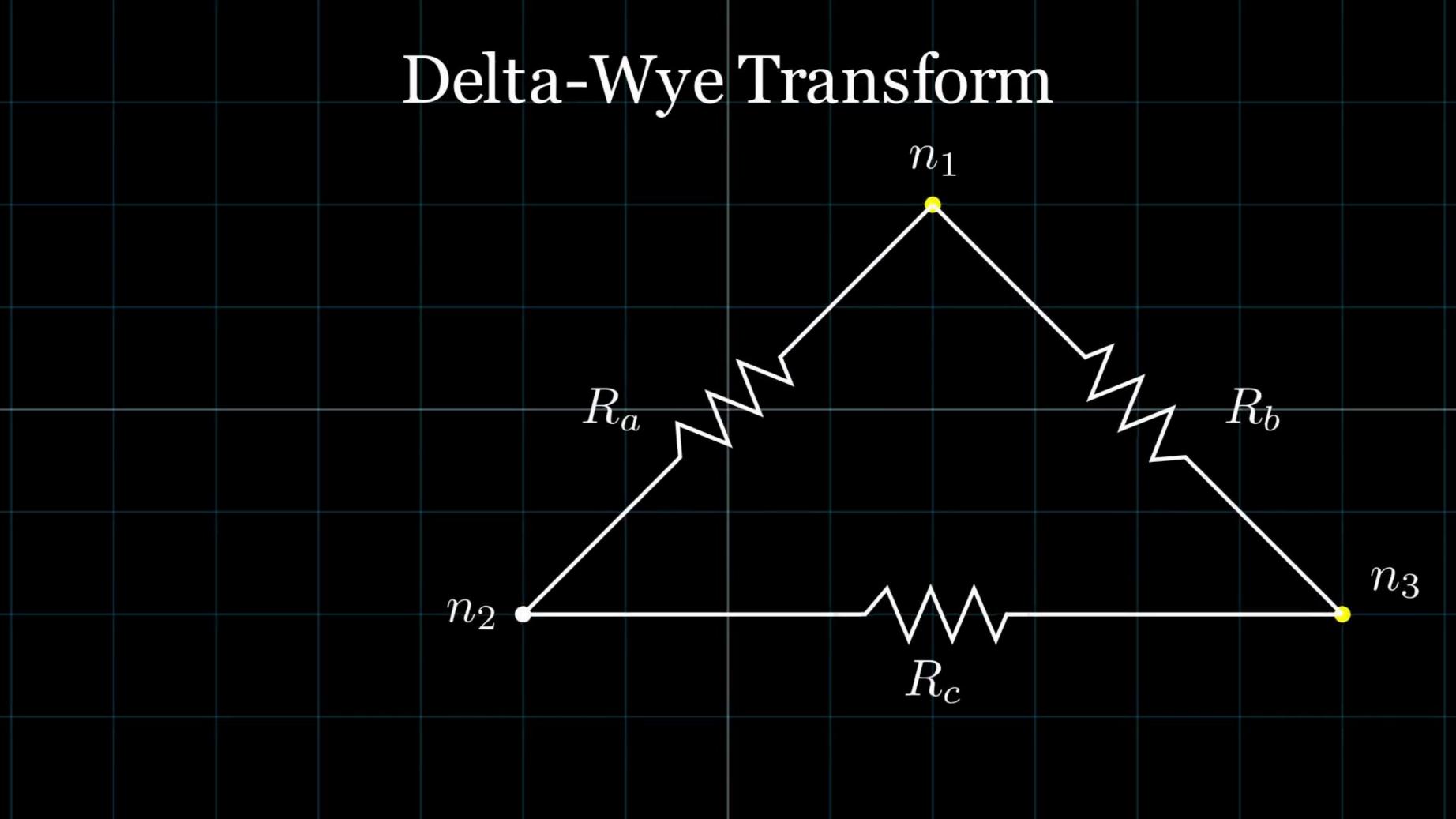


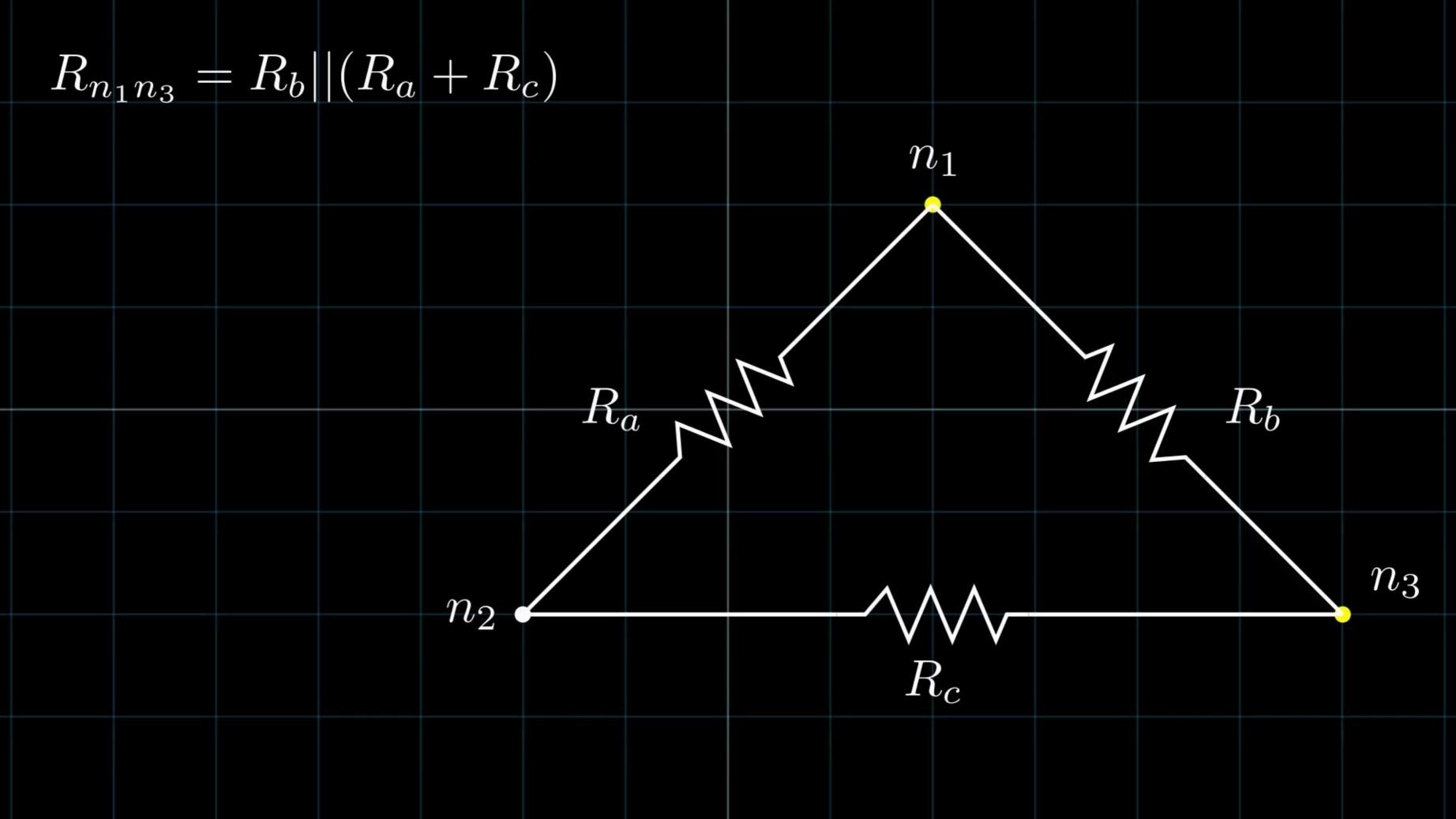
## Delta-Wye Transform



## Delta-Wye Transform







$$R_{n_{1}n_{3}} = R_{b}||(R_{a} + R_{c})$$

$$R_{n_{1}n_{3}} = \frac{R_{b}(R_{a} + R_{c})}{R_{a} + R_{b} + R_{c}}$$

$$n_{1}$$

$$R_{a}$$

$$R_{a}$$

$$n_{2}$$

$$R_{c}$$

$$n_{3}$$

$$R_{n_{1}n_{3}} = rac{R_{b}(R_{a}+R_{c})}{R_{a}+R_{b}+R_{c}}$$
 $R_{n_{1}n_{2}} = R_{a}||(R_{b}+R_{c})$ 
 $R_{a}$ 
 $R_{a}$ 

$$R_{n_1 n_3} = \frac{R_b(R_a + R_c)}{R_a + R_b + R_c}$$
 $R_{n_1 n_2} = R_a || (R_b + R_c)$ 
 $R_{n_1 n_2} = \frac{R_a(R_b + R_c)}{R_a + R_b + R_c}$ 
 $R_a$ 
 $R_a$ 
 $R_a$ 
 $R_a$ 
 $R_a$ 
 $R_b$ 
 $R_a$ 

$$R_{n_{1}n_{3}} = \frac{R_{b}(R_{a} + R_{c})}{R_{a} + R_{b} + R_{c}}$$
 $R_{n_{1}n_{2}} = \frac{R_{c}(R_{b} + R_{c})}{R_{a} + R_{b} + R_{c}}$ 
 $R_{n_{2}n_{3}} = R_{c} | |(R_{a} + R_{b})$ 
 $R_{a}$ 
 $R_{a}$ 

$$R_{n_{1}n_{3}} = \frac{R_{b}(R_{a} + R_{c})}{R_{a} + R_{b} + R_{c}}$$

$$R_{n_{1}n_{2}} = \frac{R_{a}(R_{b} + R_{c})}{R_{a} + R_{b} + R_{c}}$$

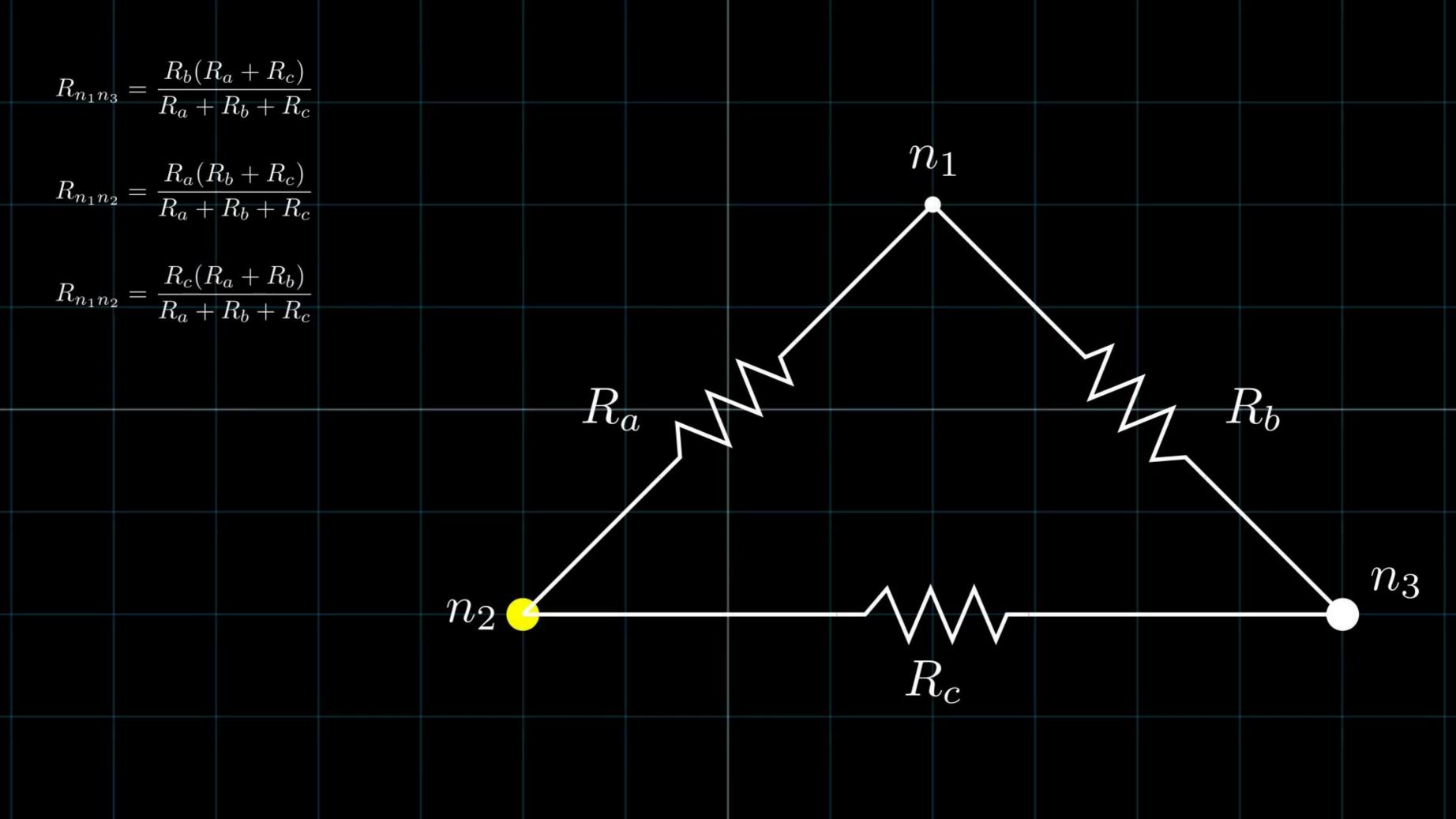
$$R_{n_{2}n_{3}} = R_{c} ||(R_{a} + R_{b})$$

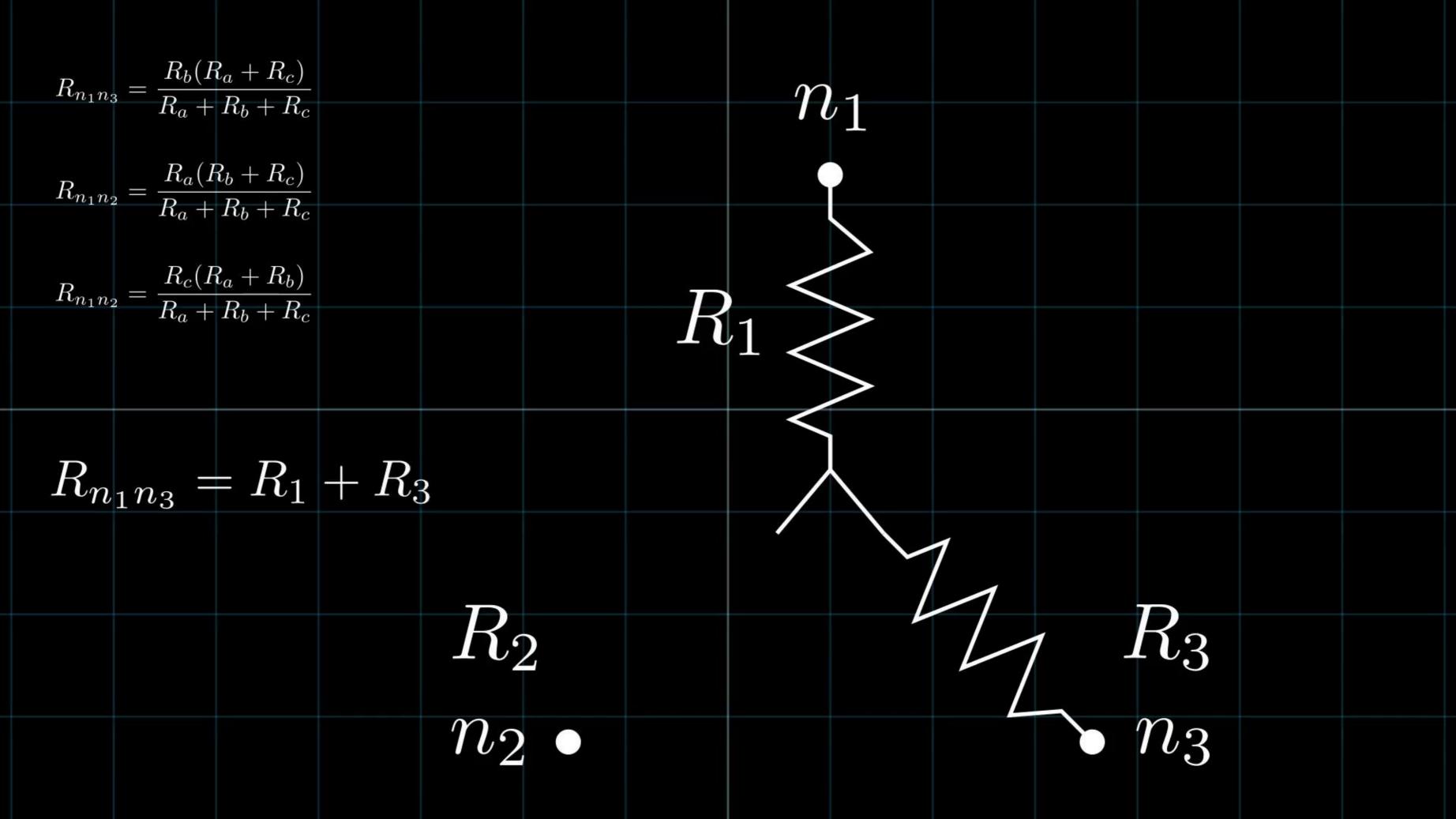
$$R_{n_{1}n_{2}} = \frac{R_{c}(R_{a} + R_{b})}{R_{a} + R_{b} + R_{c}}$$

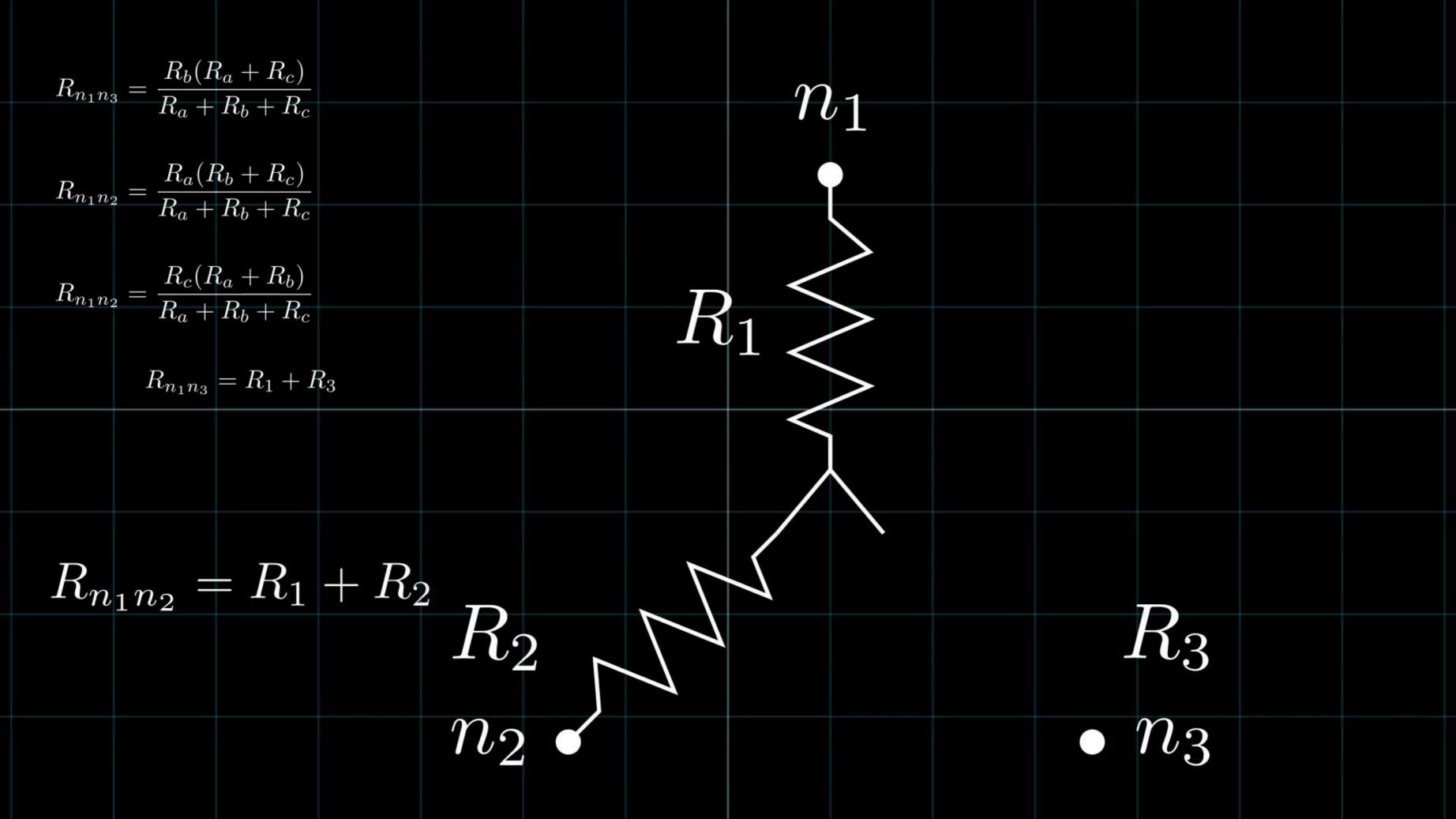
$$R_{a} + R_{b} + R_{c}$$

$$R_{b}$$

$$R_{c}$$







$$R_{n_{1}n_{3}} = rac{R_{b}(R_{a}+R_{c})}{R_{a}+R_{b}+R_{c}}$$
  $n_{1}$ 
 $R_{n_{1}n_{2}} = rac{R_{a}(R_{b}+R_{c})}{R_{a}+R_{b}+R_{c}}$   $R_{1}$ 
 $R_{n_{1}n_{2}} = rac{R_{c}(R_{a}+R_{b})}{R_{a}+R_{b}+R_{c}}$   $R_{1}$ 
 $R_{n_{1}n_{2}} = R_{1}+R_{3}$ 
 $R_{n_{1}n_{2}} = R_{1}+R_{2}$ 
 $R_{n_{2}n_{3}} = R_{2}+R_{3}$ 
 $R_{n_{2}n_{3}} = R_{2}+R_{3}$ 
 $R_{n_{3}n_{3}} = R_{2}+R_{3}$ 

