

General physics lab 202

Student's name:.....

Student's number:.....

Experiment 8 : Kirchoff's law

Kirchhoff's Voltage Law (KVL):

Experimental:

$I = \dots\dots\dots$

$V_0 = \dots\dots\dots$

Resistor	V ( )
$R_1 = 10 \text{ k}\Omega$	
$R_2 = 10 \text{ k}\Omega$	

Theoretical:

$V_1 = I R_1 = \dots\dots\dots$

$V_2 = I R_2 = \dots\dots\dots$

$V_0 = V_1 + V_2 = \dots\dots\dots$

Kirchhoff's Current Law (KCL):

Experimental:

$I_0 = \dots\dots\dots$

$V = \dots\dots\dots$

Resistor	I ( )
$R_1 = 10 \text{ k}\Omega$	
$R_2 = 10 \text{ k}\Omega$	

Theoretical:

$I_1 = \frac{V}{R_1} = \dots\dots\dots$

$I_2 = \frac{V}{R_2} = \dots\dots\dots$

$I_0 = I_1 + I_2 = \dots\dots\dots$