

# 1 Objective

The objective is to measure the time constant of an RC circuit in order to verify the calculated values [1].

# 2 Equipment Used

- Digital Multimeter
- DC Power Supply
- Resistor:  $20k\Omega$
- Capacitor:  $2,200\mu F$
- Alligator (Clips) Jumper

# 3 Experiment Setup

# 4 Results

$\tau$  = Initial Current =  
 $5\tau$  =

Table 10-1: Data Table for RC Time Constant [1]

Time (min:sec)		Resistor Voltage (V)	Capacitor Voltage (V)
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# 5 Conclusion

# References

- [1] UNCC ECE Department. Thevenin and norton equivalent circuits, 2023. [Online; accessed 17 November 2023].