# **ECOR 1010 – Introduction to Engineering**

**FULL Student’s Name**

**Assignment 9**

**Assignment Title: Maple**

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# Introduction

Maple is a symbolic scripting language that allows for solving of equations with variables. This assignment involved performing various tasks to demonstrate Maple 2-D and its features.

# Materials and Methods

Maple

# Conclusions

Maple 2-D is quite useful for solving equations, especially those with multiple variables. This exercise highlighted the strongest parts of the program. For use as an engineering tool, Maple would be useful for smaller sets of equations which more powerful programming languages would take too much effort to use.

# APPENDIces- Figures and Tables

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| --- |
| // Q1        // The coefficient table      // Voltage vector      // Solved currents, using equation.        // Value of the unknown resistance  // Q2      // Value at start      // Value after 5 minutes        // Change over 5 minutes      // Solving for k and A with two equations. In hindsight, E was not needed          // Time when the robot shut down, or about 1 minute earlier          // After infinite time, the temperature of the robot will become the temperature of the room. This makes sense |