Tidewater Community College

Project 2

AC Circuit Analysis

Arron Vinyard

EGR 125: Intro to Engineering Methods

Professor Simmons

July 2019

Program Performance

This project performs well and accomplishes the goals provided. It makes use of looping structures to repeat tasks, such as prompting for valid input or for restarting the program. It attempts to display information clearly and in a manner that gets the users attention, such as the expected inputs and outputs. Output data is formatted to improve readability by using formatting functions and appropriate precision. It also offers the option to correct invalid input or to restart the program.

Extra Credit Features

One provided extra credit feature is the use of a library (myLibrary.h). Another possible extra feature is the implementation of a sleep function, which provides more control over how information is displayed. This sleep function was also implemented within a function which allows outputting text to screen at a slow rate by adding a delay after each character.

Potential Improvements

A possible improvement to this program correlates with a suggested extra credit feature of further modifying large values. Expressing them in various units, such as a displaying a long ohm value in kiloOhms or MegaOhms, would improve readability of the displayed table.