

Assignment 2

System Requirement Specification

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1 - Overall Design

An AC Circuit solver, in which the input is given in the standard SPICE NETLIST format, and the output is an SVG image, and a text file where all the calculated results are written.

All voltages and currents are measured with respect to a specific reference or NETLIST. The ground is assumed to be of 0 potential.

2 - Tools

1. Flex
2. Bison

Language used: C++ & Javascript.

3 - Additional Features

Zoomable: The SVG image will be zoomable.

Hover: You can hover over any component to know its properties.