ASSIGNMENT No. 1B

Due Date: 20 January 2017
Using Microtran for Assignment 1A

This assignment complements assignment 1A by verifying your program’s results using the Microtran software.

1. Verify Assignment 1A using Microtran. Disable the suppression of numerical oscillations flag in the Simulation Parameters form. Use the step function source to simulate the battery. Only the trapezoidal solution can be verified with Microtran. Do not worry about verifying the backward Euler solution.

2. Discuss how Microtran’s results match your program’s results. The results from Microtran and your program should be presented as plots on the same graph.

3. Suggest possible improvements in your software.