ASSIGNMENT No. 3
Due Date: 02 February 2018

Transient Recovery Voltage (TRV) in Circuit Breakers with the CP-Line Model

Repeat Assignment No. 2 but use the cp-line model to represent the transmission line.

1. As in Assignment 2, compare the results obtained with your program with those obtained using MicroTran. Use the same time step $\Delta t$ that you used in Assignment 2.

2. Plot $v(one)$, $v(two)$, $v(three)$ on the same graph for your program and for MicroTran.

3. Plot $i(four, ground)$ on the same graph for your program and for MicroTran.

4. Plot $v(two, three)$ on the same graph for your program and for MicroTran.

5. Compare the results with those obtained in Assignment 2 by superimposing the plots.

6. Make comments with respect to:

   (a) Accuracy of the cp-line model with respect to the $\pi$-model of Assignment 2.
   (b) Any other relevant comment.