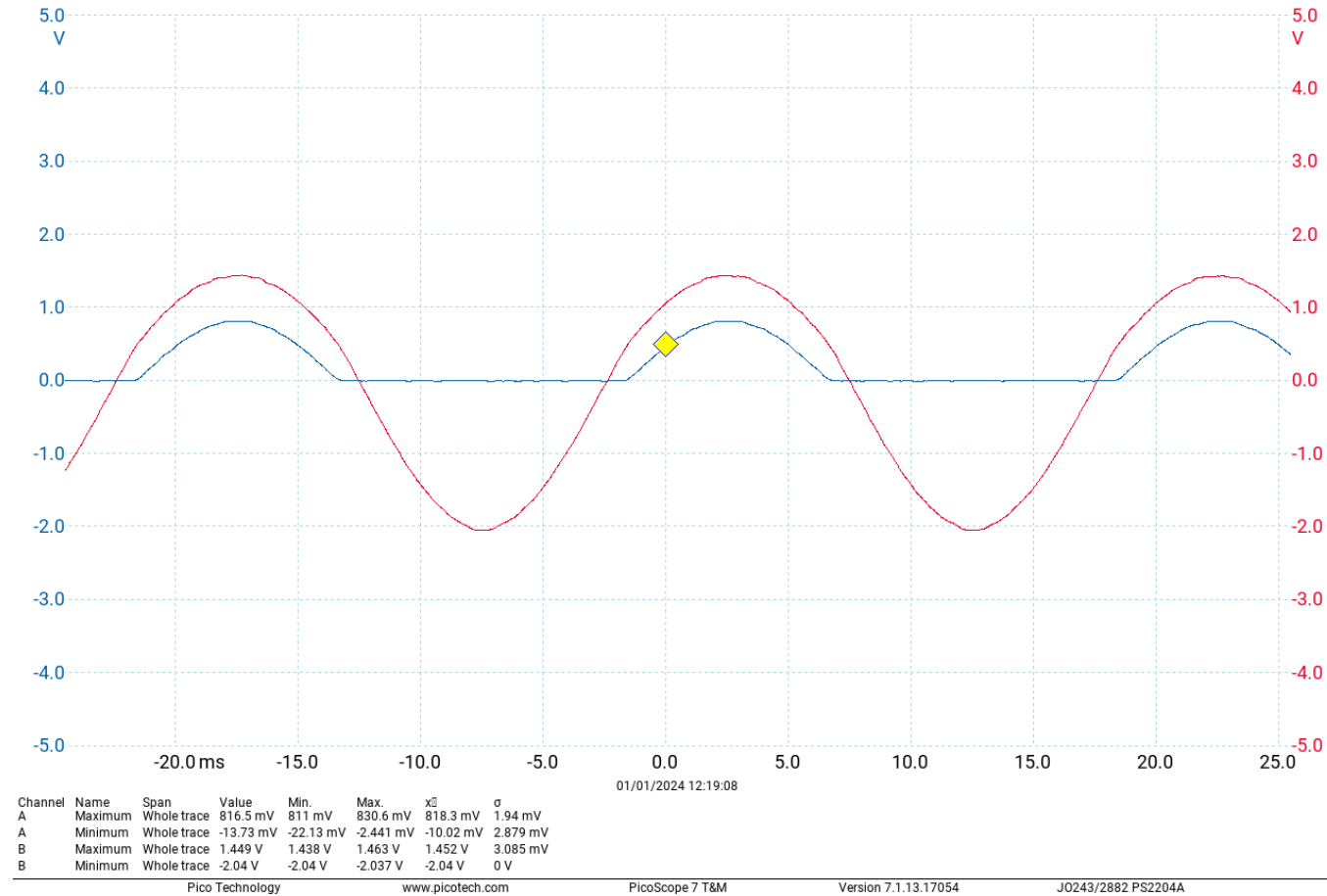
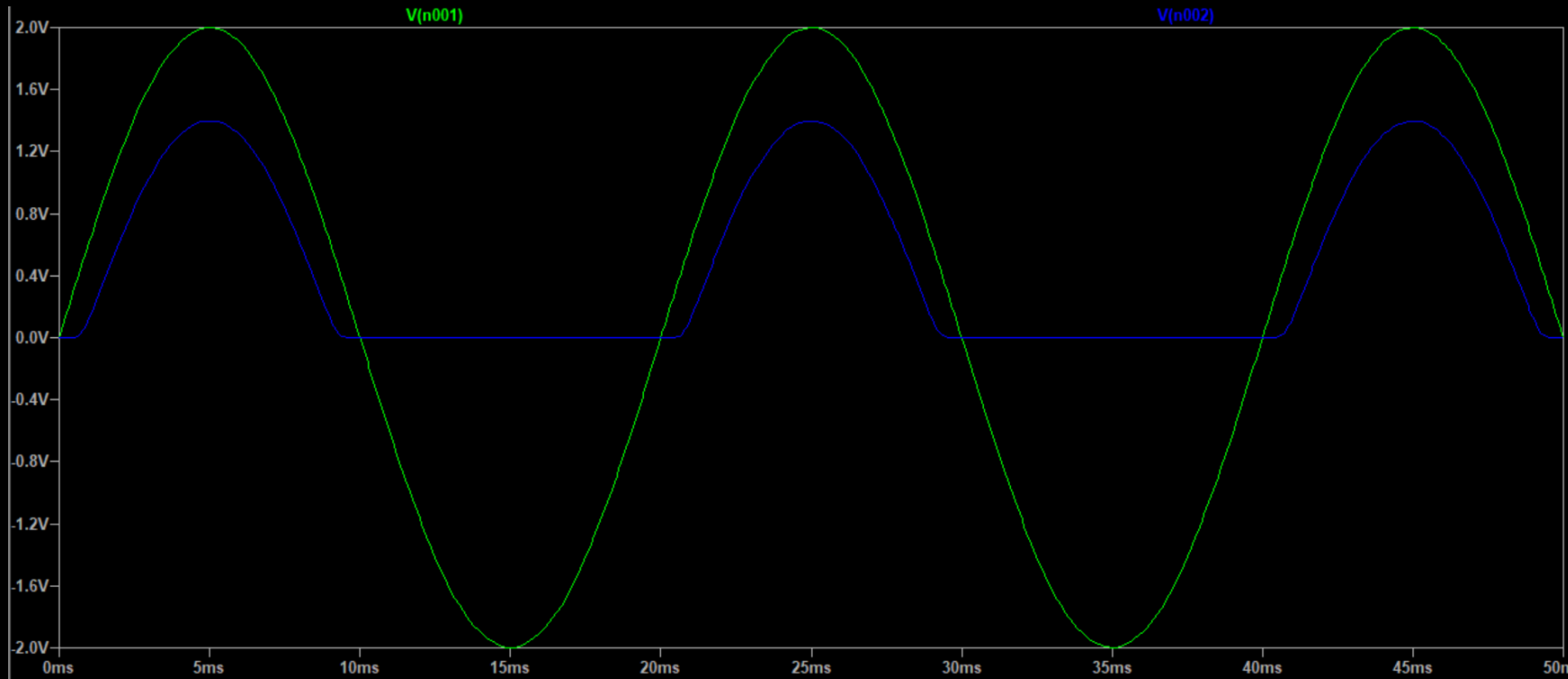


Exercise 9



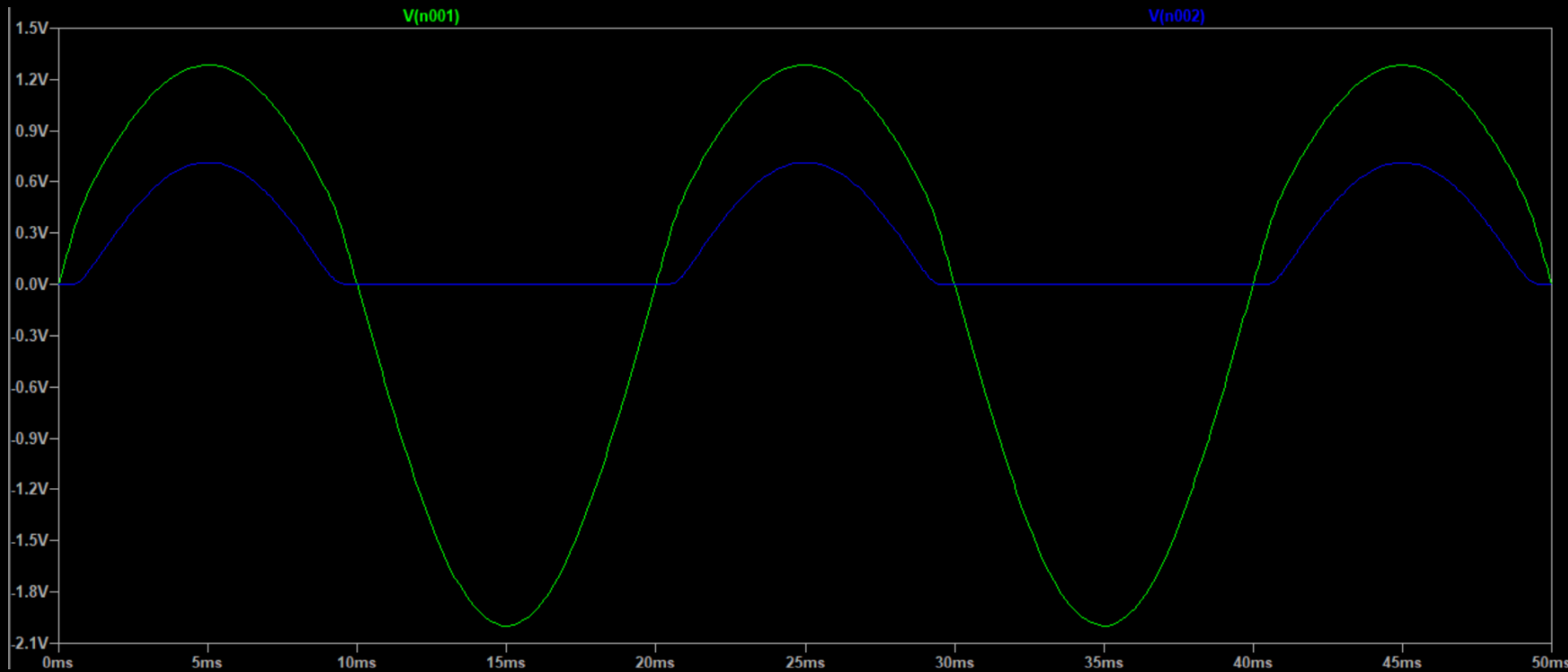
Exercise 9



The experiment voltages are significantly lower than the simulation ones. This is presumably due to source impedance or some other impedance.

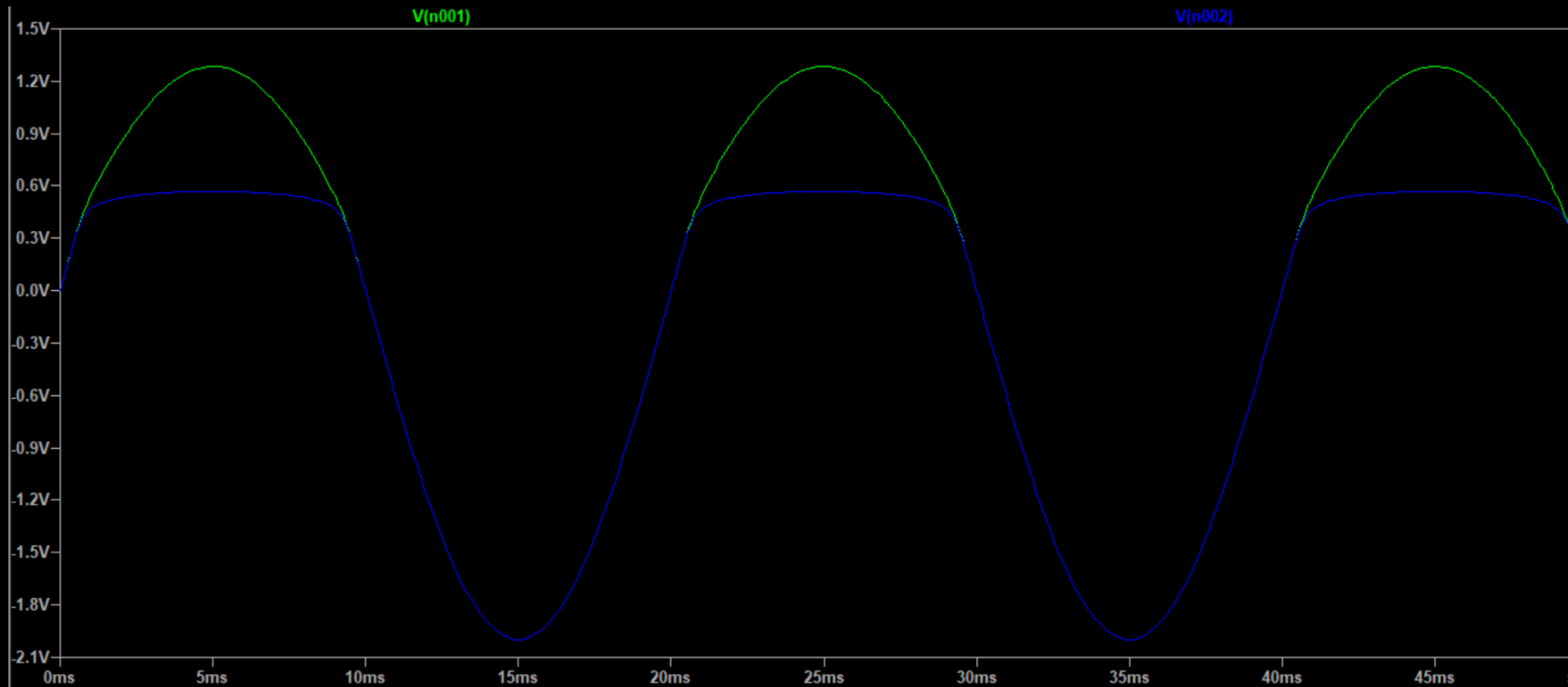
- LTSpice V_R:
 - Max 1.398V
 - Min 0
- Experiment V_R:
 - Max 819.1mV
 - Min -9.603mV
- LTSpice V_All:
 - Max 2V
 - Min -2V
- Experiment V_All:
 - Max 1.450V
 - Min -2.040V

Exercise 9

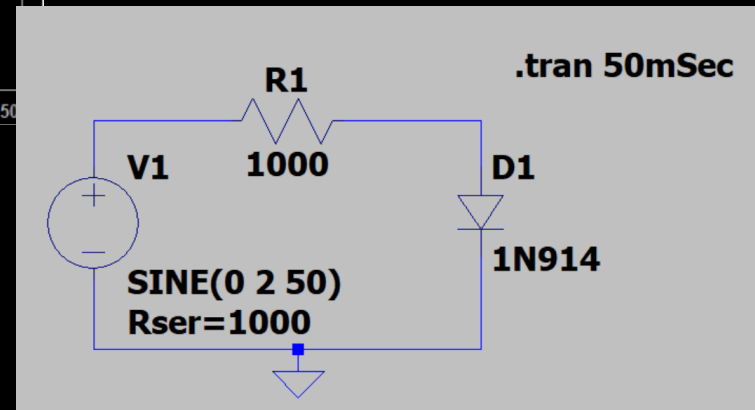


- When the series resistance of the source is set to $1\text{k}\Omega$, the results are quite similar to what we saw from the experiment results.

Exercise 9

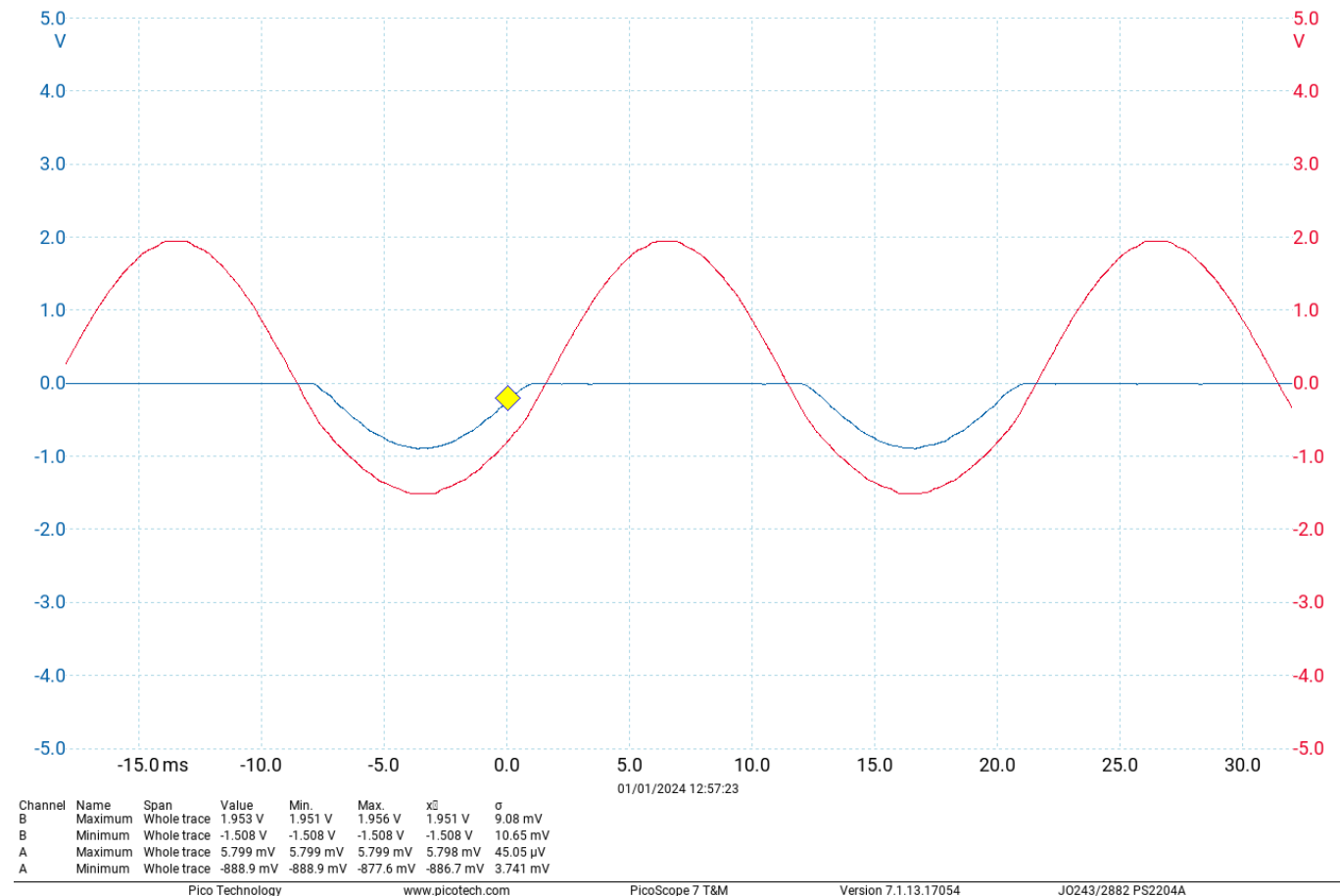


- The blue trace in this graph is the voltage across the diode.
- The schematic can be found below, but this graph can also be achieved by using $V(n001) - V(n002)$ in the original circuit.



Exercise 9

As expected,
reversing the diode
has little effect on
the voltages besides
reversing them.



Exercise 9a

- Placeholder for now
- Left for finish after revision.