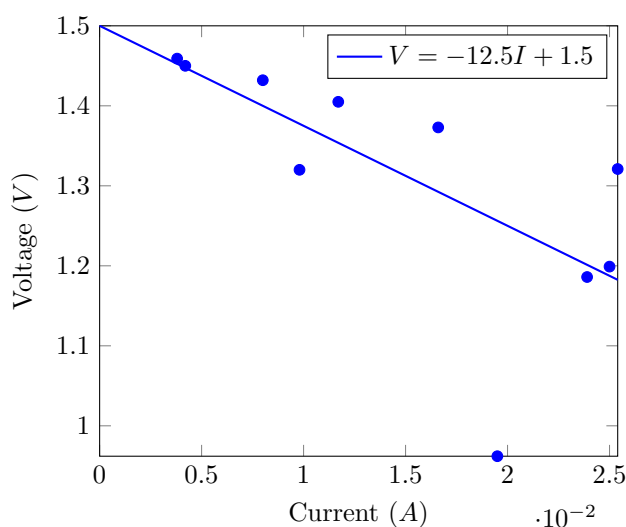


1 • Data

Voltage (V)	Current (A)
1.450000	0.004200
1.199000	0.025000
1.186000	0.023900
0.962000	0.019500
1.320000	0.009800
1.373000	0.016600
1.321000	0.025400
1.432000	0.008000
1.405000	0.011700
1.459000	0.003800



2 • emf

The emf we measured was 1.487 V.

3 • Internal Resistance

The internal resistance of the battery is the negative slope of the graph, which is 12.5Ω .

4 • emf Comparison

The measured emf of 1.487 V was very close to the emf calculated from the y -intercept of the graph, which was 1.5V. This makes sense, since the y -intercept should be exactly the emf.