

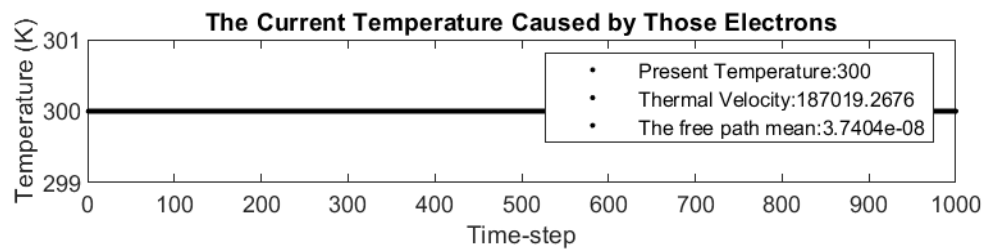
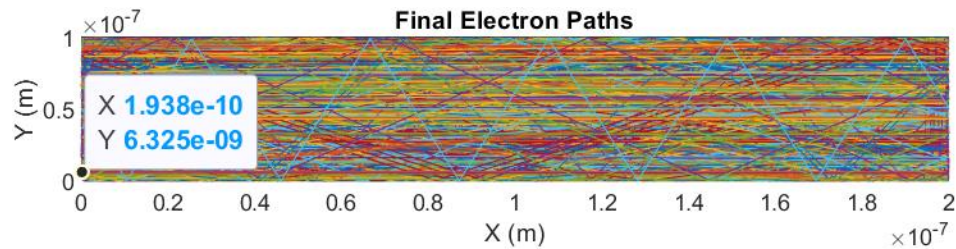
ELEC 4700 Assignment 1
Monte-Carlo Modeling of Electron Transport

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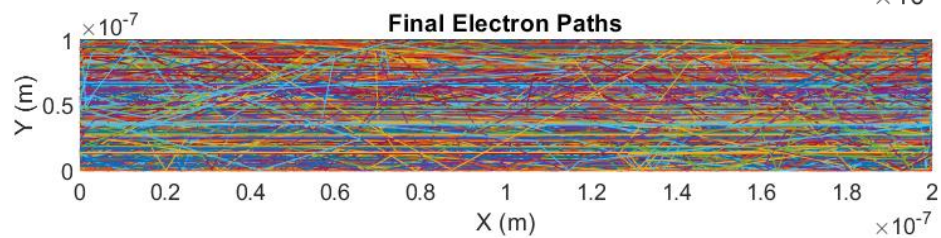
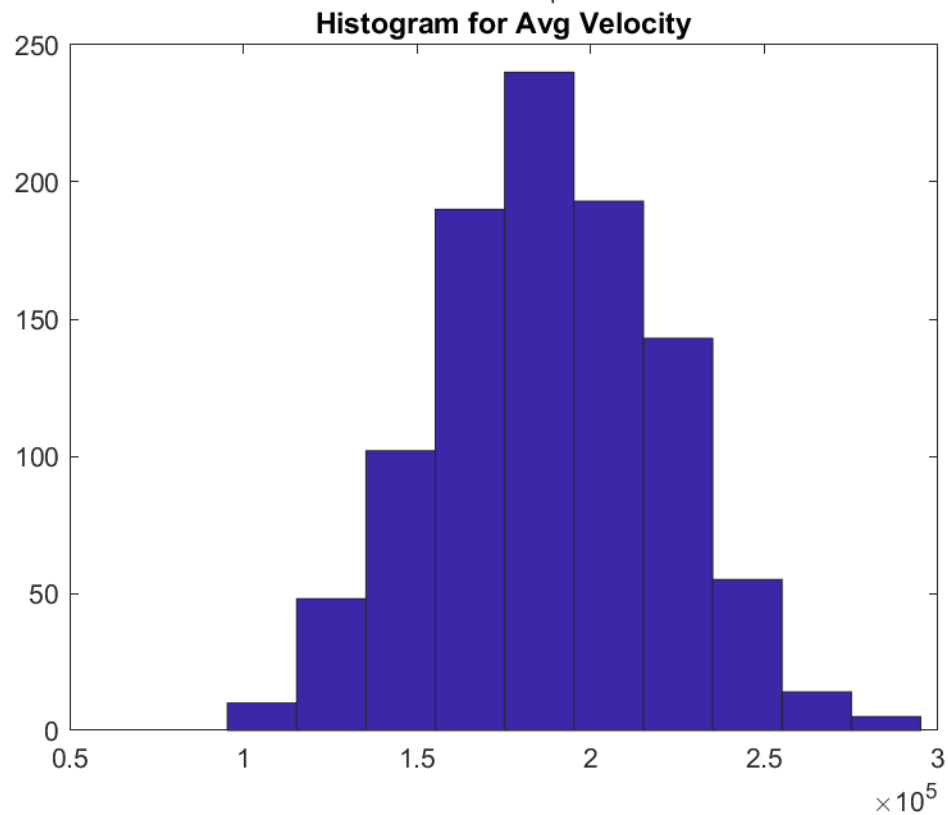
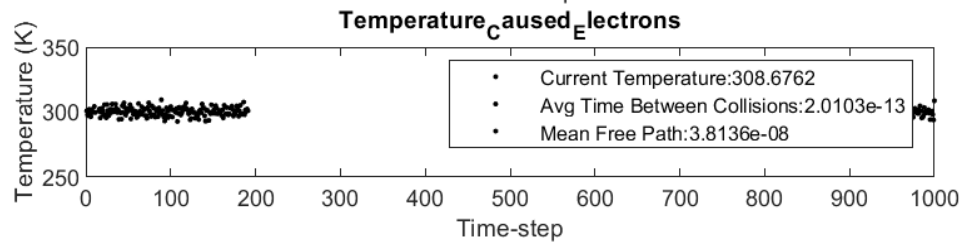
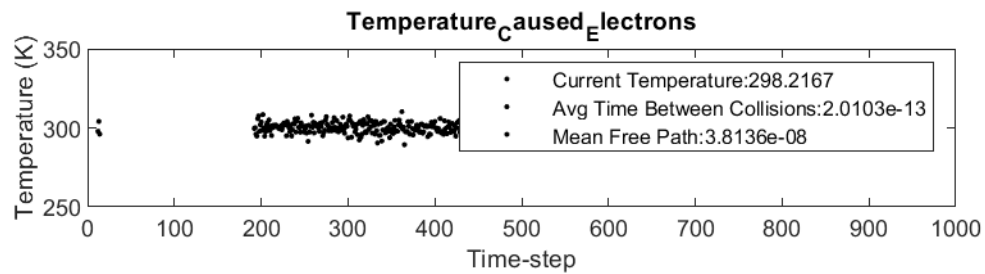
Part 1: Electron Modelling

The following plots display the final electron paths and their concurrent temperature which they cause. The thermal velocity and free path mean are given as approx. 187000 and $7.74\text{e-}08$ due the legend in the second figure.



Part 2: Collisions with Mean Free Path (MFP)

The average temperature over time fluctuates greatly.



Part 3: Enhancements

