Appendix A

-Screenshots from when Jupyter cut off the code output in the main PDF

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Screenshot 0: Lagrangian

Graphical user interface, text, application

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Screenshot 1: Euler-Lagrange Equations

Graphical user interface, text, application

Description automatically generated

Screenshot 2: Solved Euler-Lagrange Equations

Graphical user interface, text, application, email

Description automatically generated

Screenshot 3: Solved Euler-Lagrange Equations with substitutions

Graphical user interface, text, application, email

Description automatically generated