Appendix A
Mathematica and Software Resources

Many universities and schools allow free access, for students and faculty, to Mathematica software. Contact the IT department at your institution for details. The Wolfram company offers reduced pricing for a personal student license, at https://store.wolfram.com/view/app/mathematica/student. Alternatively, a web-browser plug-in, Wolfram CDF Player, is available, free of charge, at https://www.wolfram.com/cdf-player/. Once installed, the CDF Player allows one to access the notebooks linked in the book. However, the plug-in does not let the user amend scripts and program Mathematica codes. For a limited period, we will also post selected notebooks in the Wolfram Cloud. For personal computer enthusiasts, Mathematica is bundled with the Raspberry Pi kit, available at https://www.raspberrypi.org.

A comprehensive guide and interactive tutorial on the Wolfram language can be found at https://www.wolfram.com/language/elementary-introduction/2nd-ed/

In addition to the numerical experiments included in the linked notebooks, the IBM Corporation has made a quantum simulator, as well as an actual quantum computer, available to the general public. Information on the IBM Q Experience is found at https://quantumexperience.ng.bluemix.net/qx/experience.

Mathematica Notebook Appendix: Using and programming the IBM Q experience quantum computer http://www.physics.unlv.edu/%7Ebernard/MATH_book/appendix/appendix_link.html


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