

Coding for Physicists with Python - Links & Resources

(Last Updated: 2021-04-15)

Mr. Poirier's Coding Resources

- <https://mvpoirier.github.io/>
- <https://mvpoirier.github.io/coding/>
- https://mvpoirier.github.io/media/compsci_bookmarks.html
- <https://github.com/mvpoirier/>
- <https://replit.com/@mpoirier>

Coding for Physicists Lessons: Source Code (ABA April 2021)

- <https://replit.com/@mpoirier/CodingForPhysicists-Day-1>
- <https://replit.com/@mpoirier/CodingForPhysicists-Day-2>
- <https://replit.com/@mpoirier/CodingForPhysicists-Day-3>
- <https://replit.com/@mpoirier/CodingForPhysicists-Day-4>

Python: Official Documentation

- <https://www.python.org/>
- <https://docs.python.org/3/library/>
- <https://docs.python.org/3/library/stdtypes.html>
- <https://docs.python.org/3/library/math.html>

Python: Scientific Modules

- [Scipy Lecture Notes - How to Code in Python for Science](#)
- <https://www.scipy.org/>
- <https://matplotlib.org/>
- <https://numpy.org/>

Python: Computational Physics Resources & VPython

- [Computational Physics with Python \(Online Textbook\)](#)
- [Computational Physics \(UToronto\)](#)
- [Error Bars using Python & Plotly](#)
- [Astrophysics Source Code Library \(ASCL\)](#)
- <https://mpoirier.trinket.io/sites/projectile-motion>
- [Matter & Interactions VPython Textbook](#)
- [VPython Applications for Teaching Physics](#)
- [Learning & Physics Blog \(VPython\)](#)

Extra: Blogs & Articles

- [Computational Modeling Blog](#)
- [Bruce Sherwood Blog \(Physics and Computation\)](#)
- [Ruth Chabay Blog \(Physics, Models, Computation\)](#)
- [Rhett Allain - Numerical Calculation Collection](#)
- [Rhett Allain - WIRED Articles](#)
- [Rhett Allain - Intro to Numerical Calculations in Physics](#)