Unit 3 Coding Project
PCHA 2021-22 / Dr. Kessner

Coding Project

This project is a opportunity for you to be creative with your new knowledge of parametric equations and polar graphs.

Your assignment is to create an image using Python turtle graphics. You can make whatever you like. It can be simple: flowers or a house, or something abstract.

You can work with classmates on your code. However, your final images should be different (see criteria below).

Python Turtle Graphics documentation

Criteria

For full credit, you must:

- Submit both code and screenshot(s). You are welcome to do more than one. To submit, please create a folder with your name inside the `coding_project` shared folder.
- Use at least 4 different parametric equations to draw curves. If you work with classmates, at least two of these should be different from theirs.
- Use comments on larger blocks of code to describe what your code is doing.
- Use comments to indicate any shared code.
- **Individual Bonus**: Figure out how to draw a lemniscate (infinity curve) using the equation $r^2 = a^2 \cos(2\theta)$, and include it in your image. No sharing on this one!
- Have fun!