Chuku Emeka Onochie

Kyle Clancy

Cole Boothman

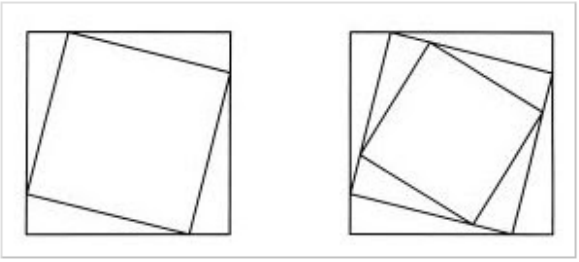
Sam Allegretto

pop_molly 265Draw Users Manual

How to run 265Draw

265Draw is an application that creates polygons with pursuit curves. A pursuit curve gives the impression of a spiralling line, however in a polygon shape, this is implement by rotating and scaling each line slightly smaller than the original shape.

An example of the first two pursuit curves on a square is given below:



To run the 265Draw program, first download the 265Draw folder from the UVic connex website. Please place the 265Draw folder in your desktop.

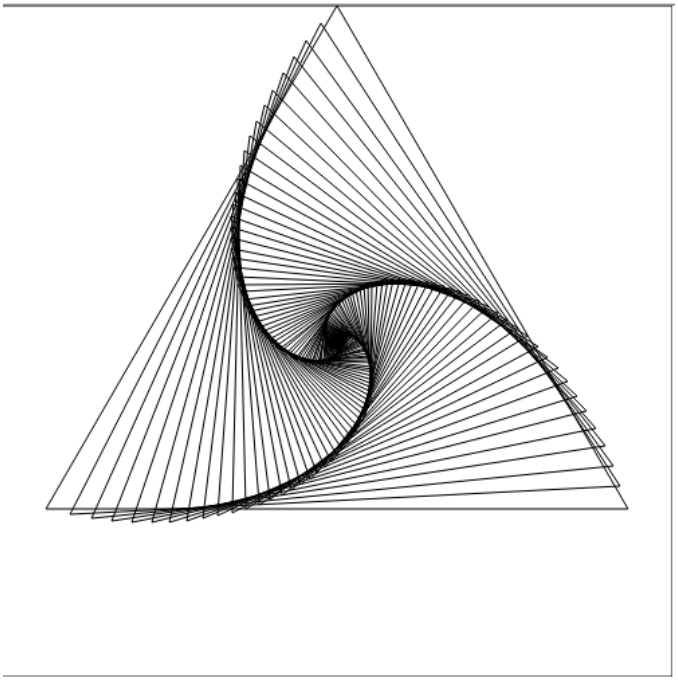
The 265Draw folder contains files needed to create these pursuit objects. To run the program, open up a terminal window. (This can be found on mac by opening finder and searching for “terminal” in the search window.

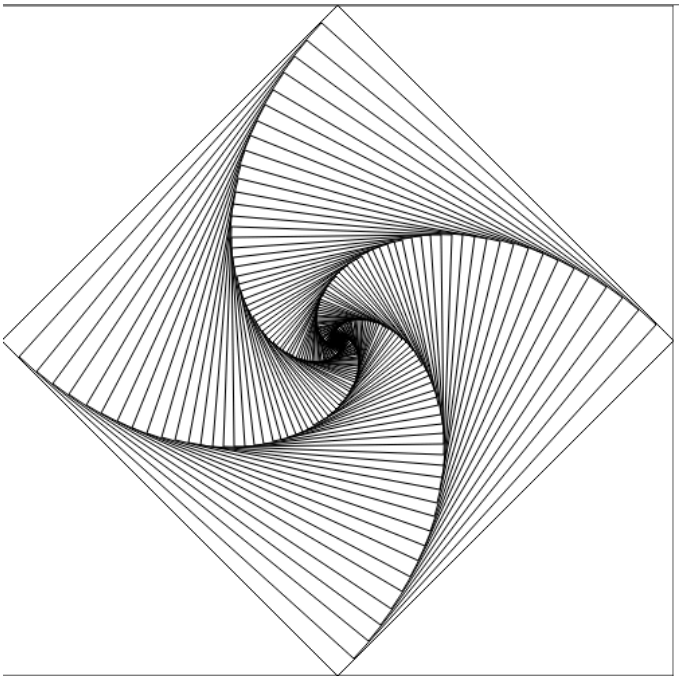
Open the terminal application. Because the 265Draw folder is in your desktop, type the following commands to switch directories to the 265Draw folder:

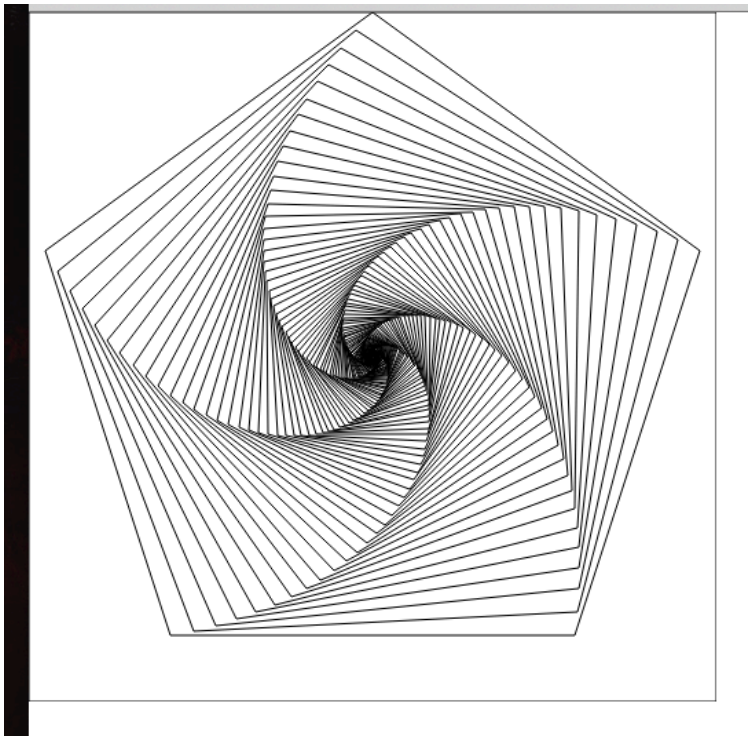
Cd Desktop
Cd 265Draw

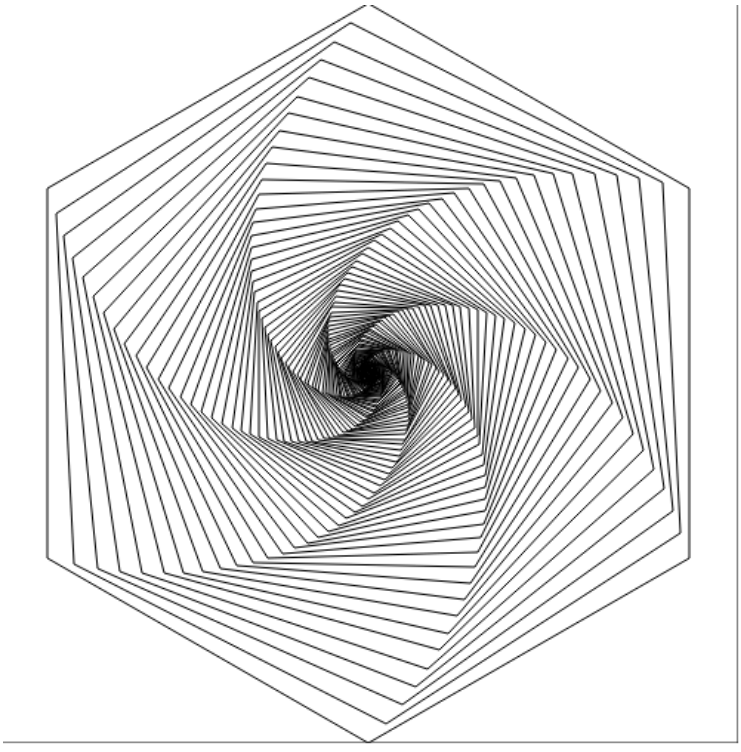
The 265Draw folder contains a bash script, which will automatically generate 4 pursuit curve polygons. Run the command: bash test_generate_polygon.sh in terminal.

If you open the 265Draw folder, 4 .txt and 4 .svg files have been created. If you open your web browser, and drag the .svg files into the browser, you will see 4 shapes have been created:





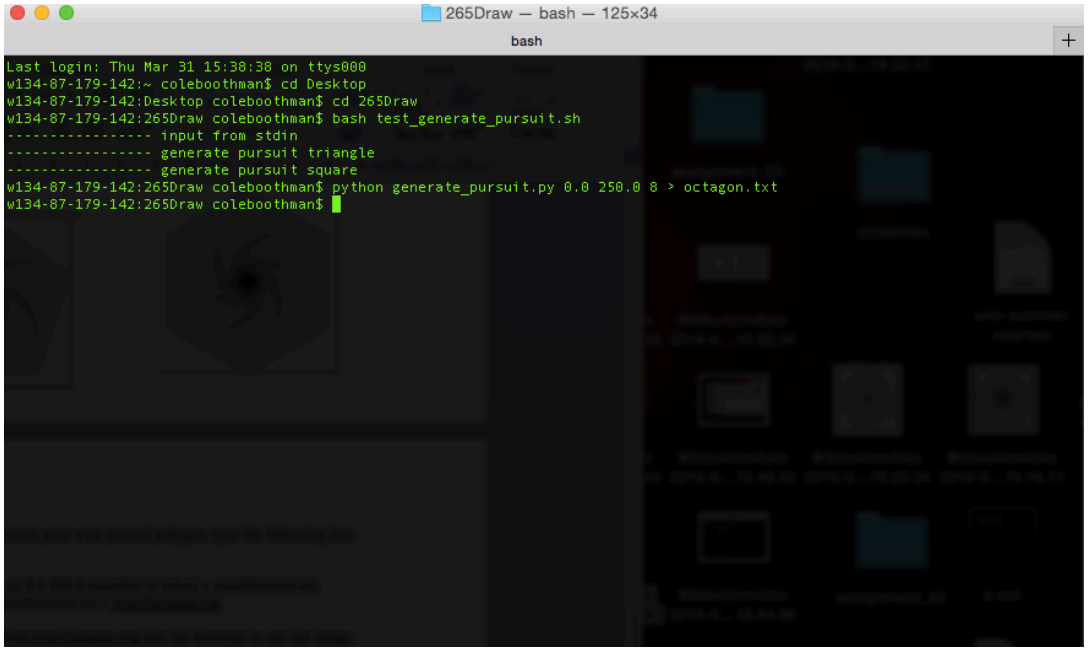
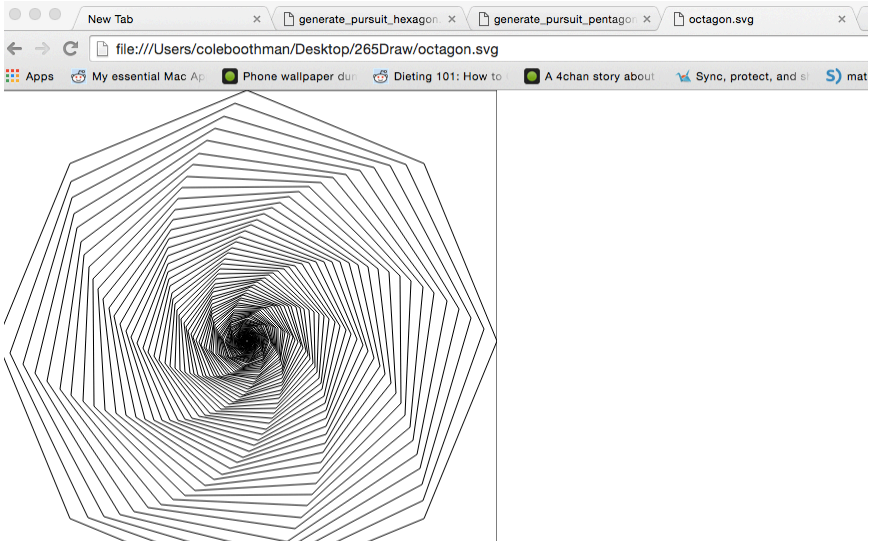




However, if you wish to create your own pursuit polygon, type the following into terminal:

python generate_pursuit.py 0.0 250.0 (number of sides) > yourfilename.txt
python lines_to_svg.py yourfilename.txt > yourfilename.svg

NOTE: The first TWO numbers typed after ‘generate_pursuit.py must be float, meaning containing a decimal point and a decimal afterwards. (ie. 0.0, 2.5, 250.0, etc). The THIRD number must be an integer, (ie. No decimal point, 2, 5, 4, etc).

open your browser and drag yourfilename.svg into the browser to see the image created.

For example, to create a pursuit hexagon, (8 sides) type:
Python generate_pursuit.py 0.0 250.0 8 > octagon.txt
Python lines_to_svg.py octagon.txt > octagon.svg