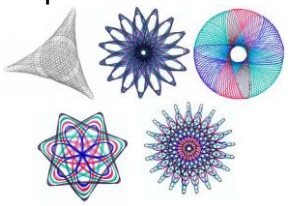
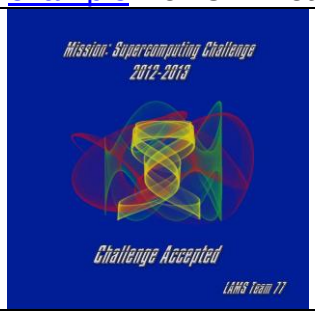
CS151L Fall 2013
Week 2: Optional Programming Challenges

Programming Challenges	
1	Draw a nested Spirograph image in Nelogo. By, “nested” it is meant that one figure is centered inside the other.
2	After you have finished 1, modify your program so that is draws 10 copies of your nested pattern in different locations.
3	Reproduce the five classic Spirograph patterns.  Patterns ***like*** these, only with sharp turns, are easy to make with Netlogo. The curving turns, however, are tricky to get with turtle forward and right. If you know trigonometry and want to get those curves, use the turtle’s setxy and polar coordinates. The math shown in this GNUPLOT example works in NetLogo.
4	 If you are part of a Supercomputing Challenge Team and your teacher is willing, you can work on that project!