

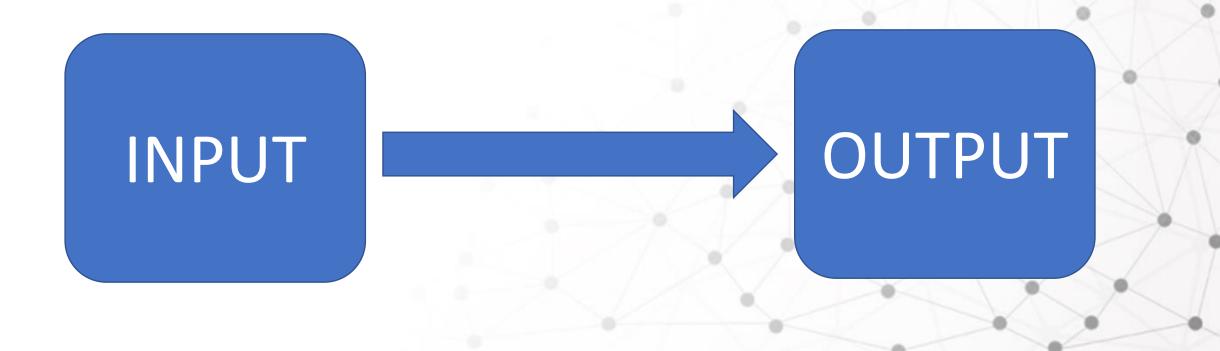
Anemone Looping Using Grasshopper

Covered in this video

- 1. What is looping/recursion?
 - 2. Examples of recursion
 - 3. Looping using Anemone
 - 4. Setting up a basic loop
 - 5. More advanced examples

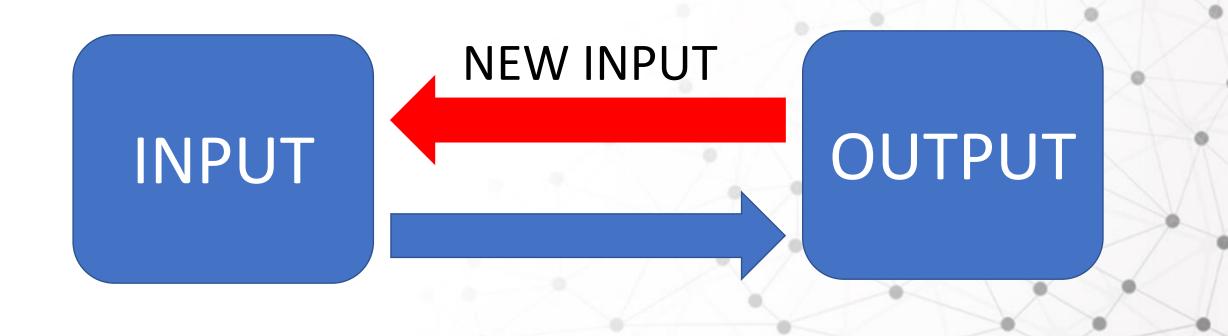


Computational Logic





Looping/Recursion



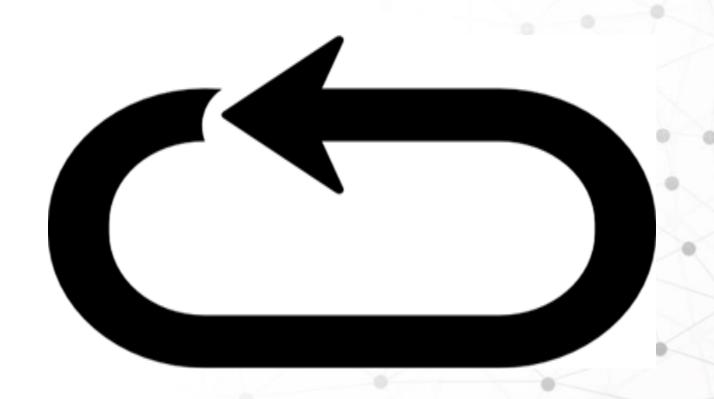


Looping/Recursion





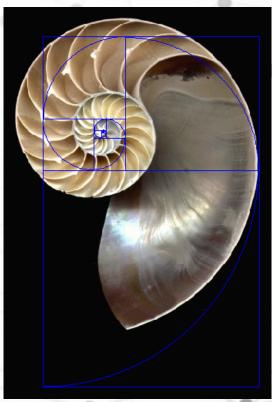
Looping/Recursion





Recursion in Nature

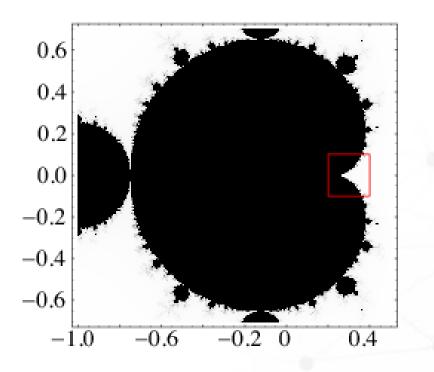


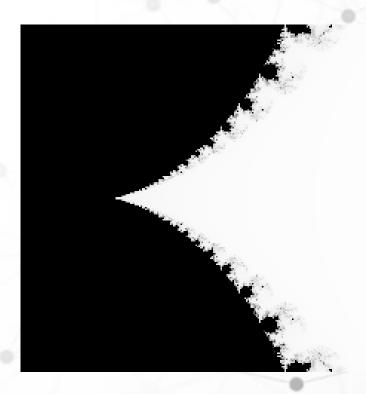




Infinite Recursion

Mandelbrot Sets

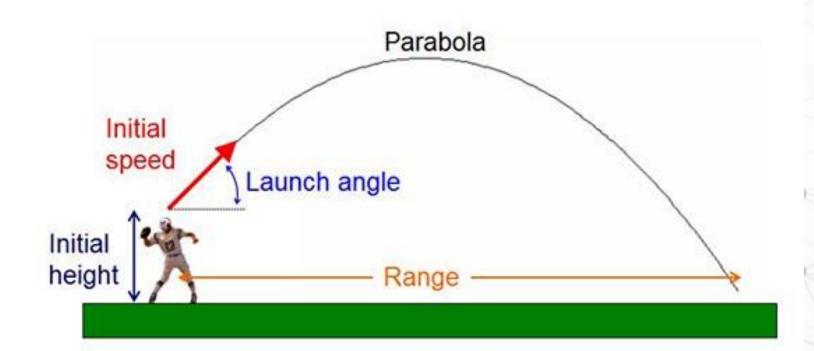






Basic Recursion

Typically predictable

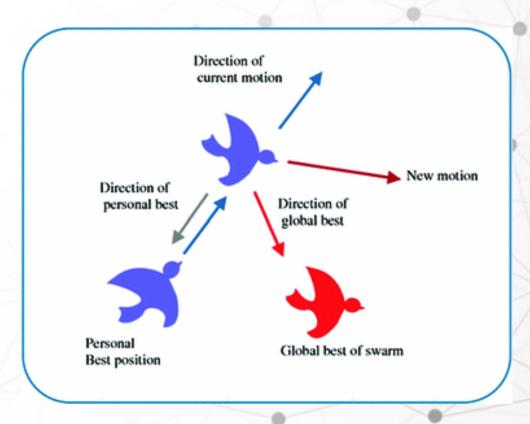


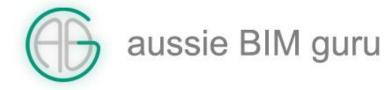


Advanced Recursion

Typically pseudo random

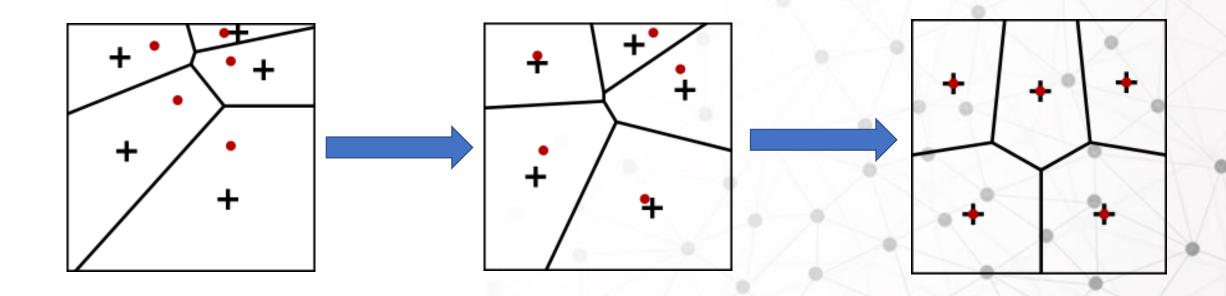






Relaxation (Lloyd's Algorithm)

Centroidal Voronoi Optimization

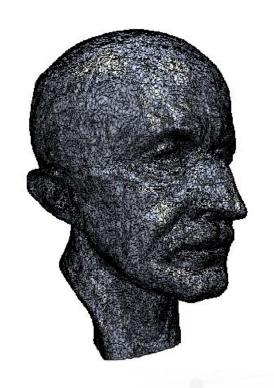


https://www.jasondavies.com/lloyd/



Remeshing

via Centroidal Voronoi Optimization

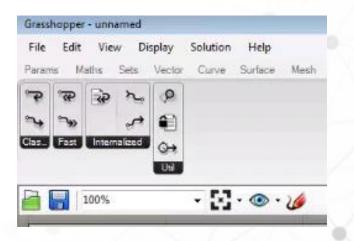






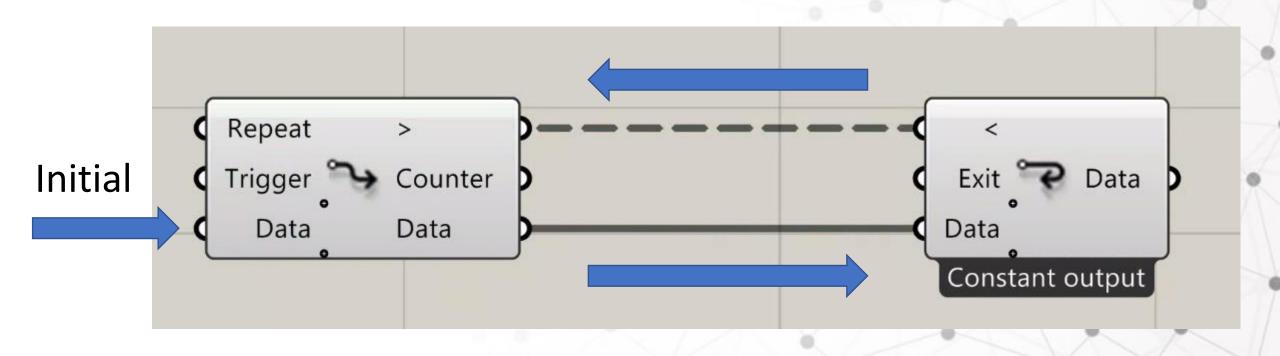
Anemone

https://www.food4rhino.com/app/anemone





Anemone





I'm using



Rhinoceros 6

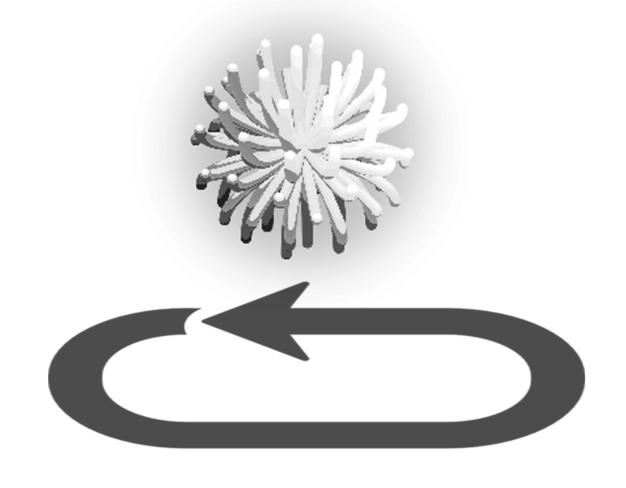


Without further ado...

Let's get started...







Anemone Looping Using Grasshopper