Dynamic Emergencies

Inspiration/Artists –

Shawn Coss – An artist I have followed for a while now and who gained more of a following in 2016 participating in “Inktober” drawing 31 depictions of mental illnesses. I have always been interested in styles with a darker tone and taken inspiration in my own works often trying to create something unsettling or creepy and wanted to incorporate that into this project.

Garth Knight – working with photo-media, computer manipulation and intricate rope bondage.  He is motivated by themes which explore rigidly held constructs of reality, often featuring structures found in nature (I,e Heart, Veins, Plants, Butterflies wings) All of these things following the same rules yet still all varying having, chaotic irregular form made me want to include something similar for the assignment.

Diana Lange – I found Diana whilst researching and trying to incorporate the inspiration from the last two artists into one and found her “Nature of Code” project creating trees and flowers using recursive functions or the Lindenmayer system.

From these three artist’s my ideas where drawn towards creating a decaying forest or tree with a night sky scene. Having trees with thing entangling branches, no leaves and little use of colour.

Development process

The first part of the development process I looked for ways I was able to generate a tree. I started by coming across the Lindenmayer system as a way to create a fractal like tree and plant structure but was unable to get the desired results with the rules I had been using. I switched to using a recursive function for my tree as it was easier for me to understand and create as well as having the effect I was looking for.

When trying to create the rain I had an issue getting it to display on the page. I could get the tree to display and had to use ‘noLoop’ to stop it from generating again and again. I think due to this I was unable to get the rain to draw.

Future Upgrades

I would like to be able to add multiple trees to create a forest, add some movement to the tree branches to make them sway slightly. For the rain I would like to add some horizontal movement for the rain, so it can rain diagonally as well as mapping the density or speed to the mouse movement.

Github page

https://github.com/KarlsKode/GAD405/tree/master/KarlEllison-405

References –

Shawn Coss, Inktober Illness 2016 - <http://shawn-coss.squarespace.com/#/inktoberillness/>

Garth Knight - <http://www.garthknight.com/>

Diana Lange: Nature of code - <http://www.diana-lange.de/portfolio/generative/nature_of_code/nature.html>