

To Explore The Moire Effect Using Colour

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For the book cover I decided that I wanted to explore the moire effect while using different colour interpolation. The moire effect is a visual perception where one set of lines or dots are imposed over another set of lines or dots to create the illusion. This can be seen from a variety of different angles and exploring this using p5 and coding is one of the more interesting aspects that led me to doing this. I believe adding colour to this especially colour interpolation would add to the effect. The project that I set out to complete is to use letters that the user types themselves to create the illusion with using an interpolation of colours to enhance the effect. The user will be able to type letters using the keyboard, delete those letters using the back button or the delete button, take a screenshot of the canvas using the control button, export the colours into an ase file for use in Photoshop by pressing the shift button, increase or decrease the font size with the up and down arrow keys and finally increase or decrease the density of the lines in the letters.

When starting off with this project I got a simple vertex on screen in the shape of a letter then progressed from there. When I got the effect working with letters I decided to start adding colours to it, first I just changed the stroke to one colour, this was to see the difference when the stroke colour isn't black, then I changed it so it would be different colours at any one time so each line of the curve vertex changes colour constantly. I would like to see that every line in the letter that is created is a different colour so as the density increases the number of coloured lines will increase also.
