Shaders OpenGL Exercises

Victor Gordan

1 Easy Difficulty

These only require the change of some signs or variables!

Exercise 1. Flip the triangles upside down using the Vertex Shader Hint: you simply have to put two minuses somewhere

Exercise 2. Invert the colors of the triangles
Hint: The inverse of an RGB normalized color, is 1 - that color

2 Medium Difficulty

This requires a bit more typing!

Exercise 1. Make it so the bigger the triangle is, the more bright it is Hint: make use of the scale uniform in the Fragment Shader

3 Hard Difficulty

This requires the use of extra functions!

Exercise 1. Make the triangles pulsate

Hint: use a sin wave to change scale, and use the function glfwGetTime() for time

Solutions

Each image shows the solution to one exercise