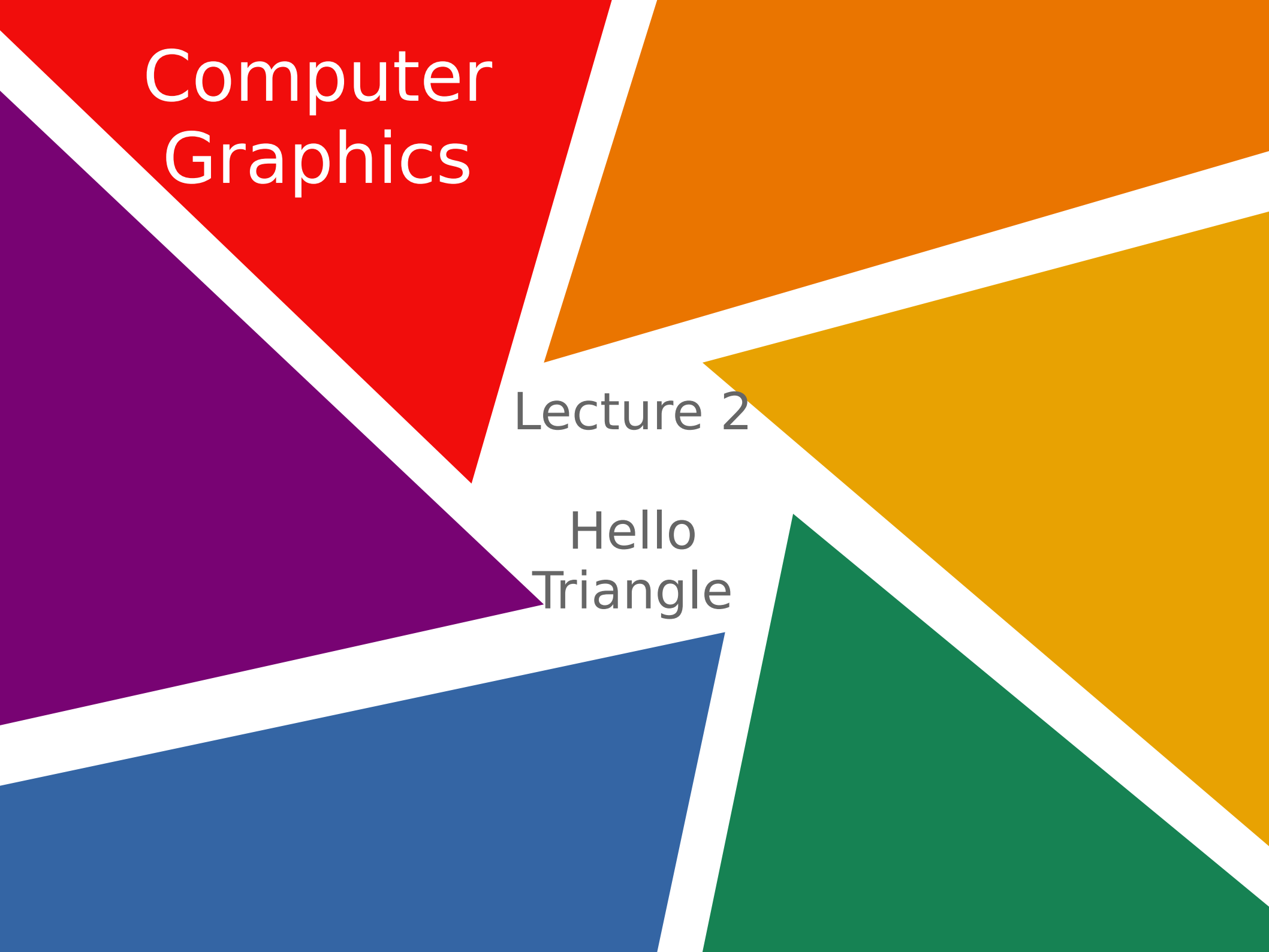


Computer Graphics

The background of the slide is composed of several large, overlapping triangles in various colors: red, orange, yellow, green, blue, and purple. The triangles are arranged in a way that they seem to radiate from a central point, creating a dynamic and modern aesthetic. The text is overlaid on these shapes.

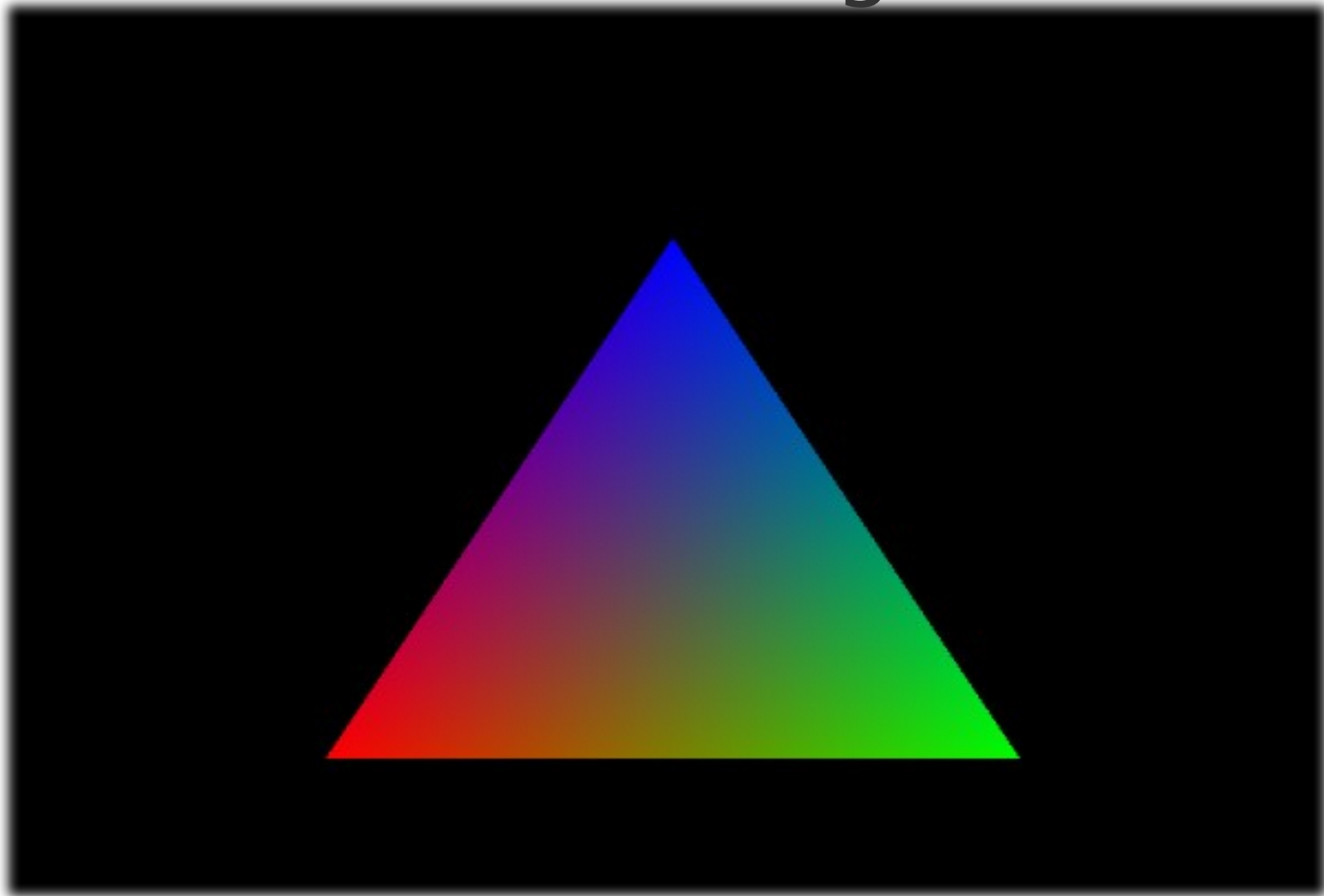
Lecture 2

Hello Triangle

Debugging

- glGetError function
- Frame-capture tools like RenderDoc

Hello Triangle





What do we need to draw?

- Data
- Algorithm to position and colorize the data



Data

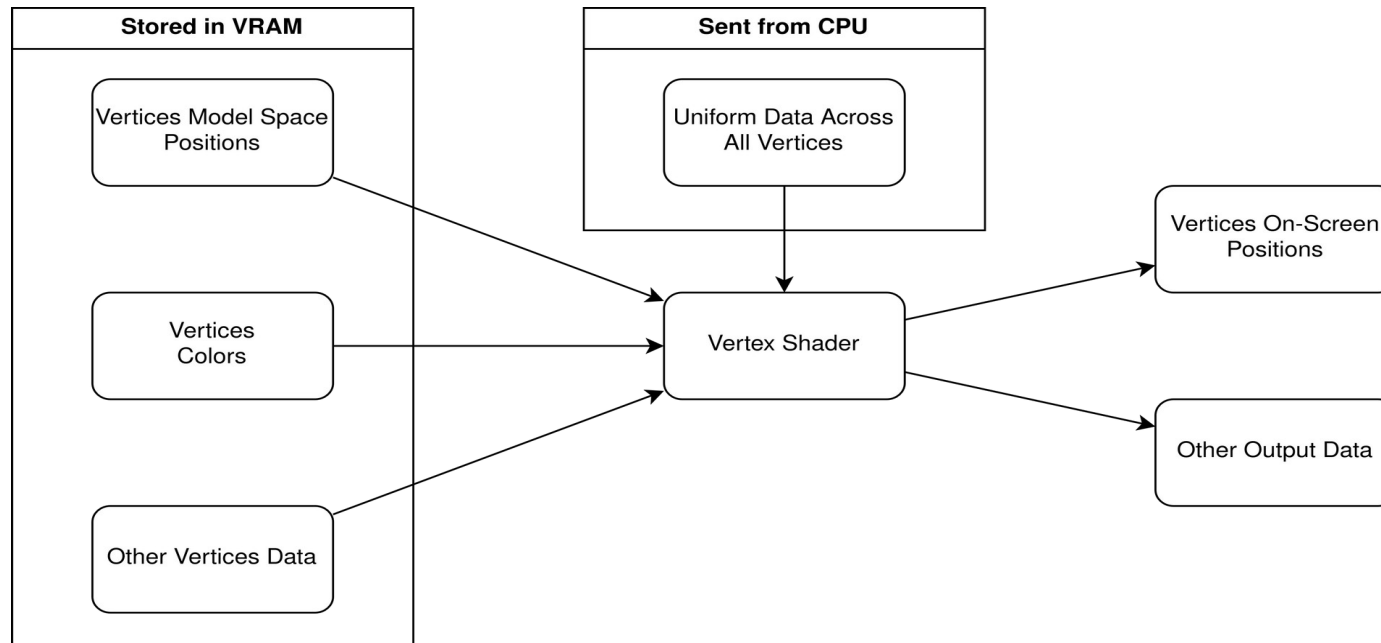
- Decide what data is needed
- Setup data structure
- Send the data to VRAM



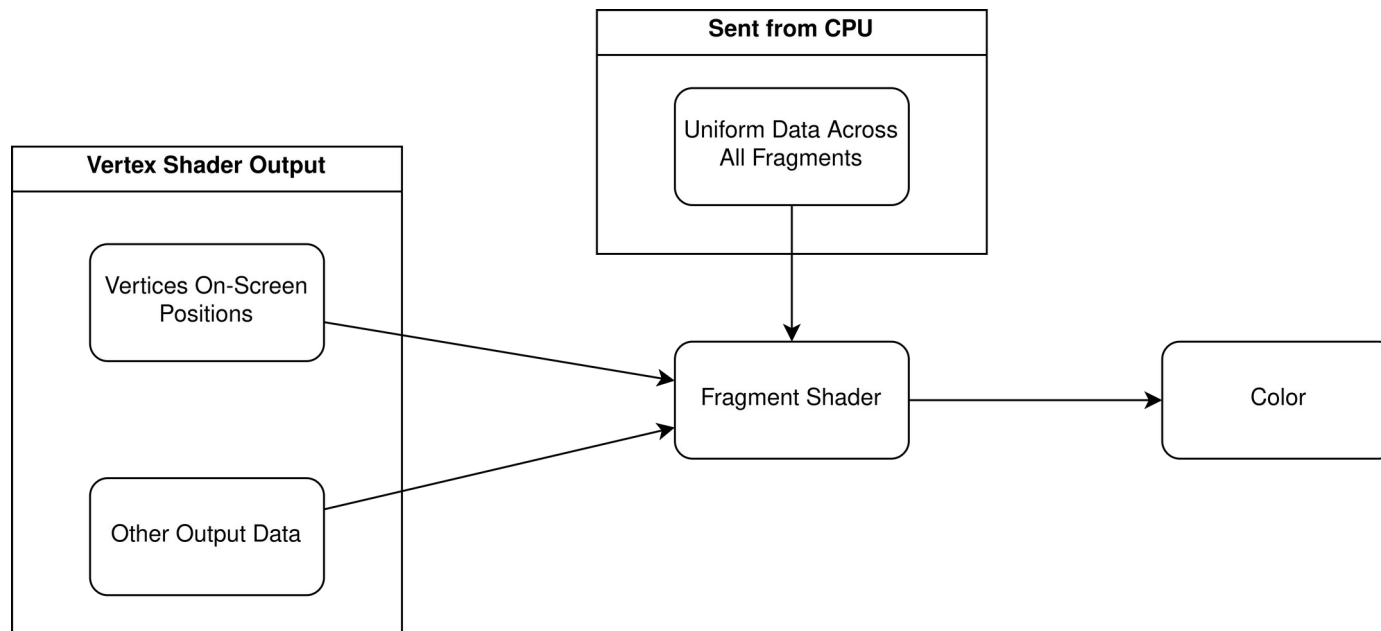
Controlling the pipeline

- Vertex Shader
- Fragment Shader

Vertex Shader



Fragment Shader





Primitive Shapes

- Point
- Line
- Triangle
- Quad

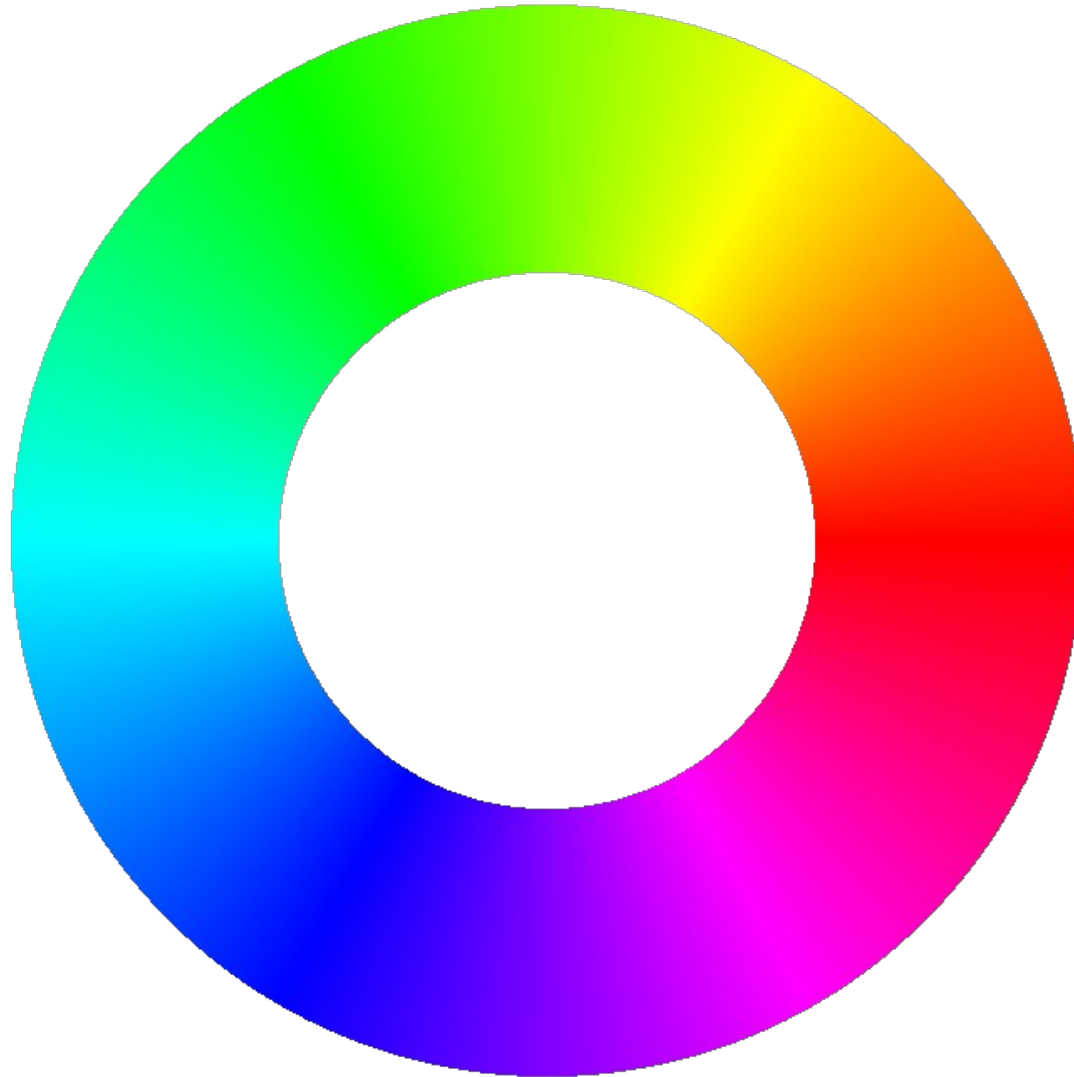
An abstract geometric composition featuring six large triangles of different colors (red, orange, yellow, green, blue, and purple) arranged in a circular pattern, meeting at a central point. The triangles are separated by thin white lines. The word "Winding" is centered in the white space between the triangles.

Winding

The slide features a white background with large, abstract geometric shapes in red, yellow, and green. The red shape is a triangle in the top-left corner. The yellow shape is a triangle in the top-right corner. The green shape is a triangle in the bottom-right corner. The text "Thank You" is centered in the middle of the slide.

Thank You

Assignment



Useful Links

- <https://docs.gl/gl3/glGetError>
- <https://renderdoc.org/>