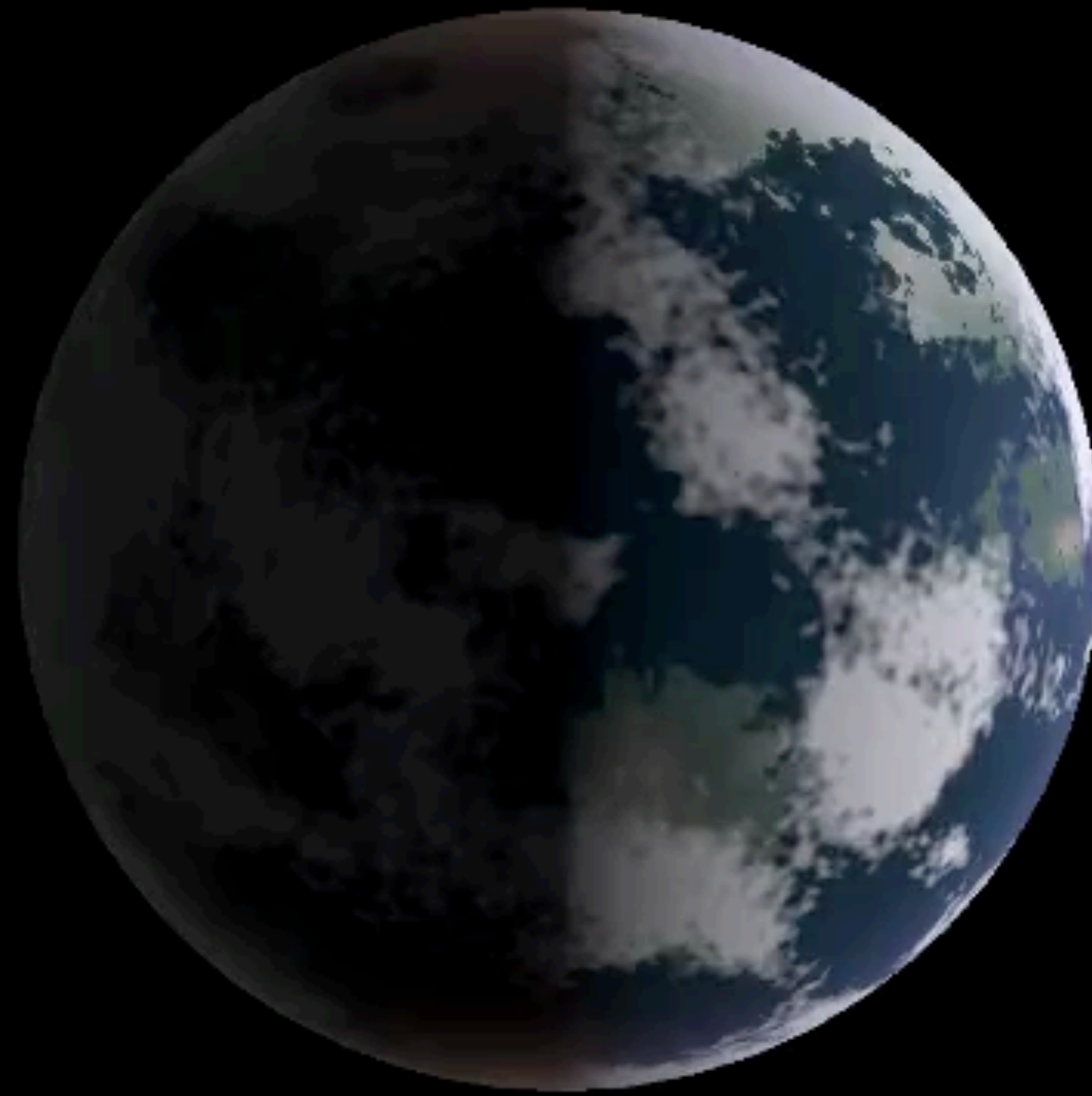# Planets on WGPU

James Youngblood

What I wanted
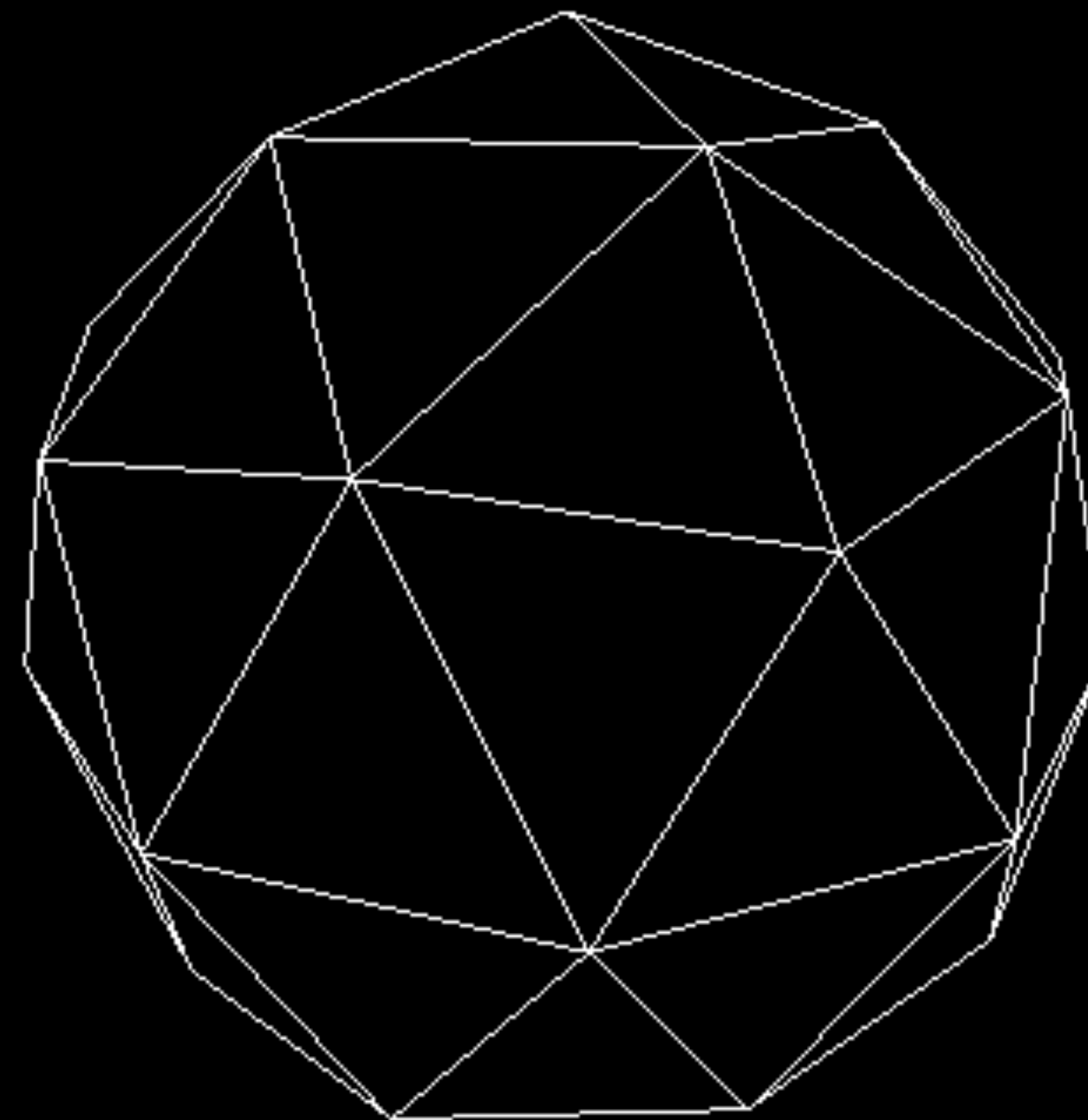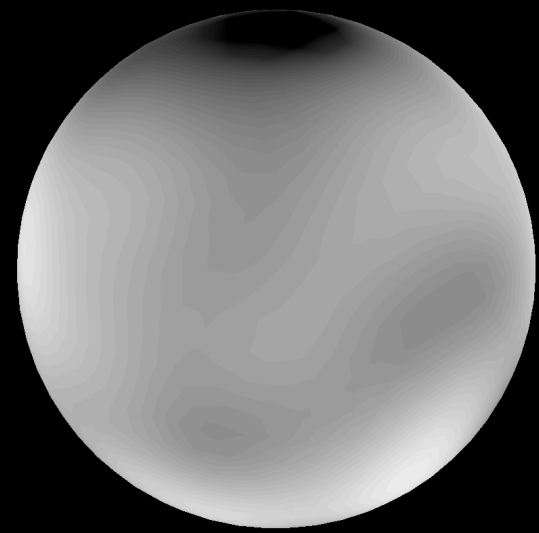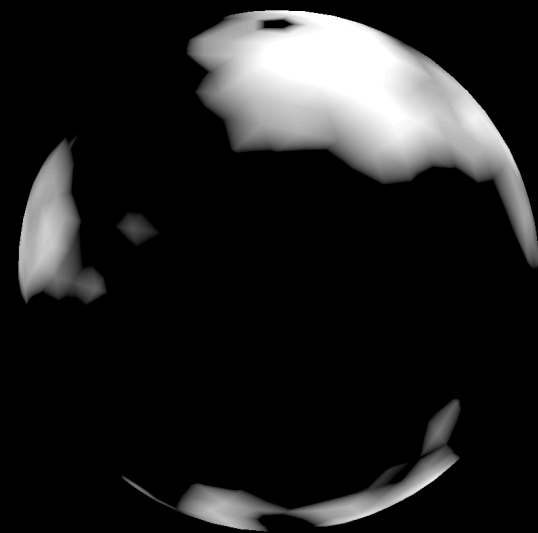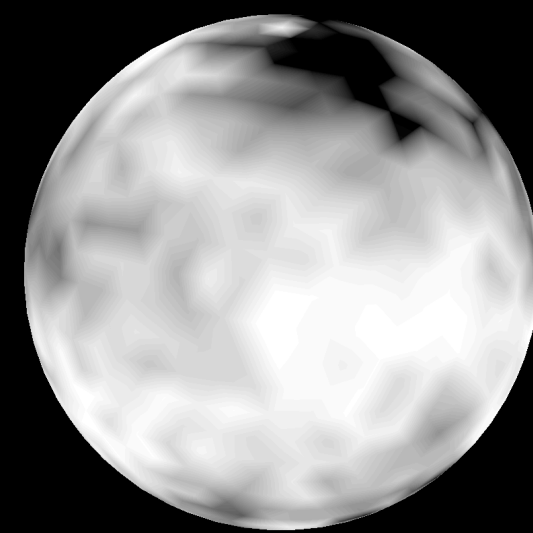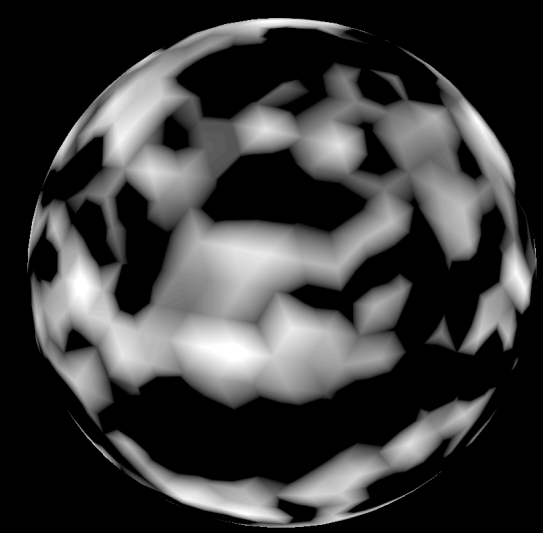
What is WGPU?
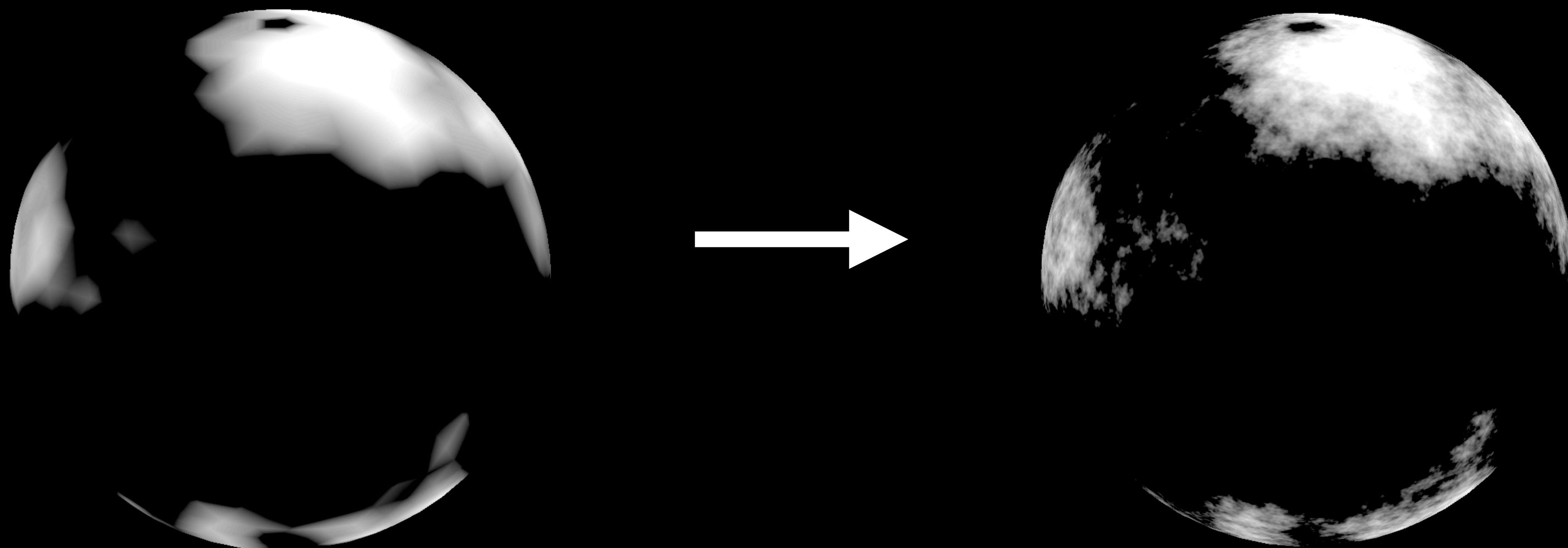
The planet mesh
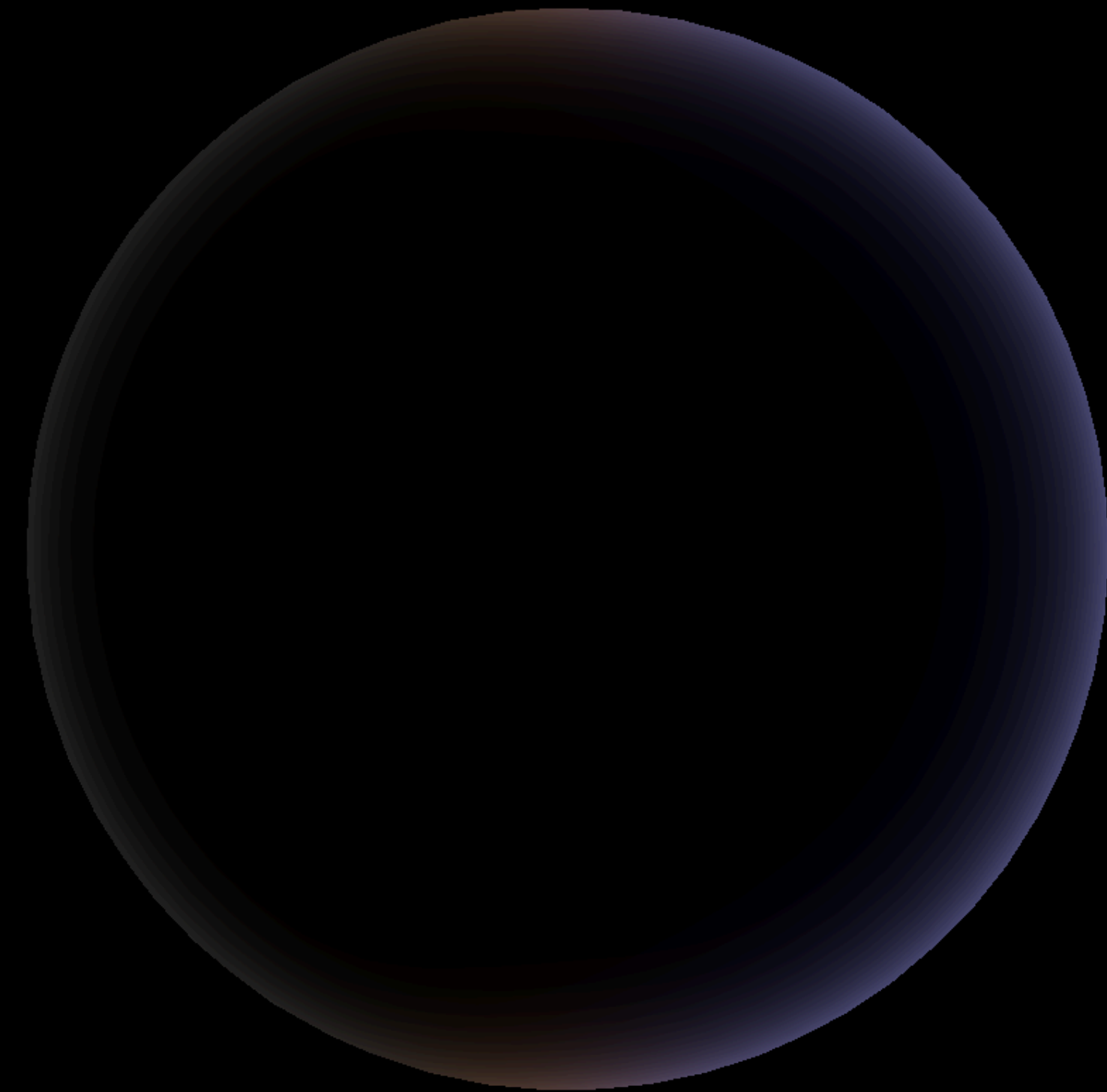
Simplex noise

Heat map

Height map

Precipitation map

Cloud map

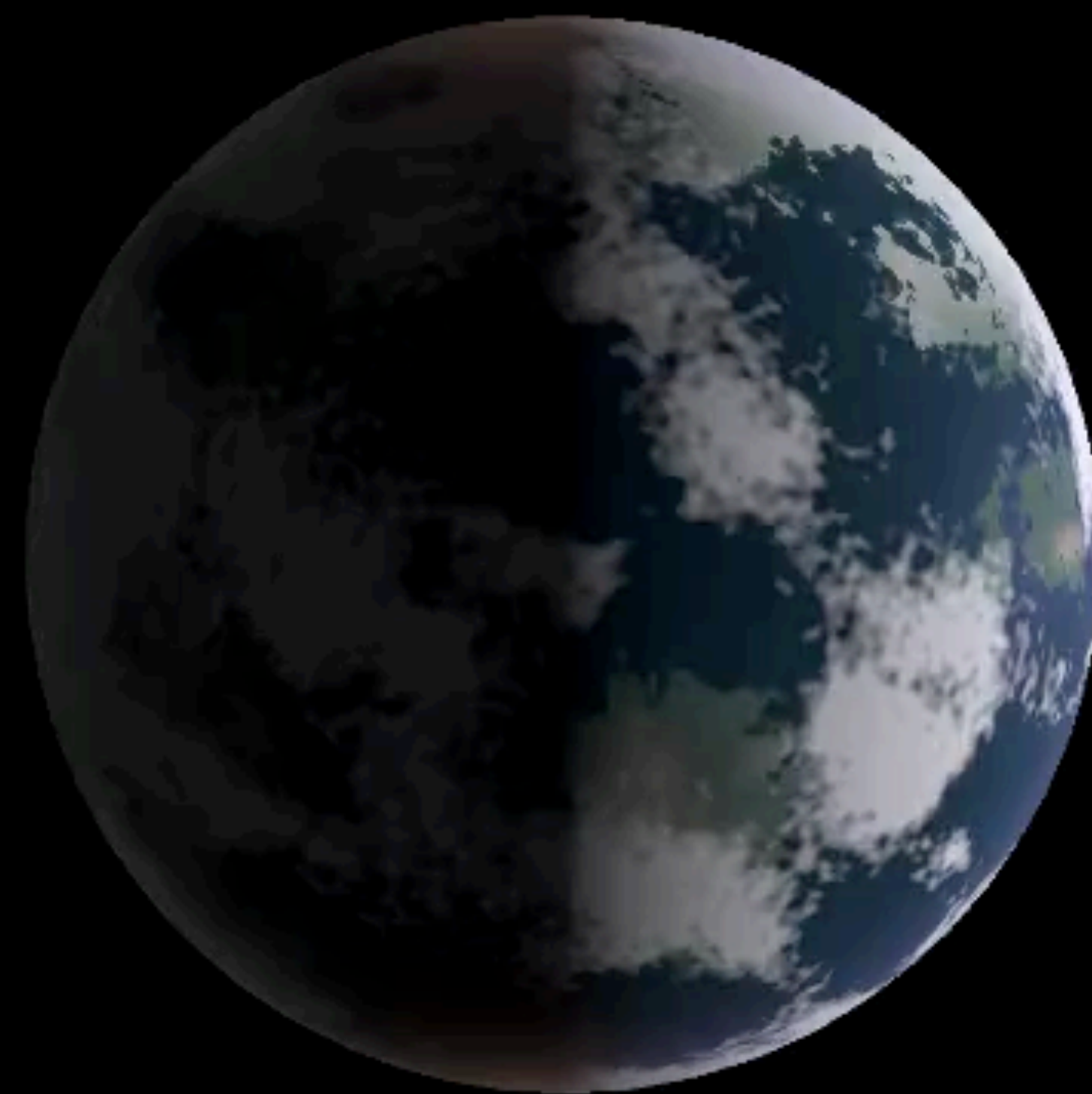# Adding detail

Atmosphere

Final result!

Limitations

Other Credits

- Learn WGPU: sotrh.github.io/learn-wgpu

- Hexasphere: crates.io/crates/hexasphere

- Simplex: https://docs.rs/crate/bevy_shader_utils

Code at github.com/soundeffects/planets_on_wgpu