

CUDAGL

CUDA Based Graphics Library

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(github.com/neoblizz/cudagl)

Motivation: Optimizing Graphics Pipeline w/ Compute

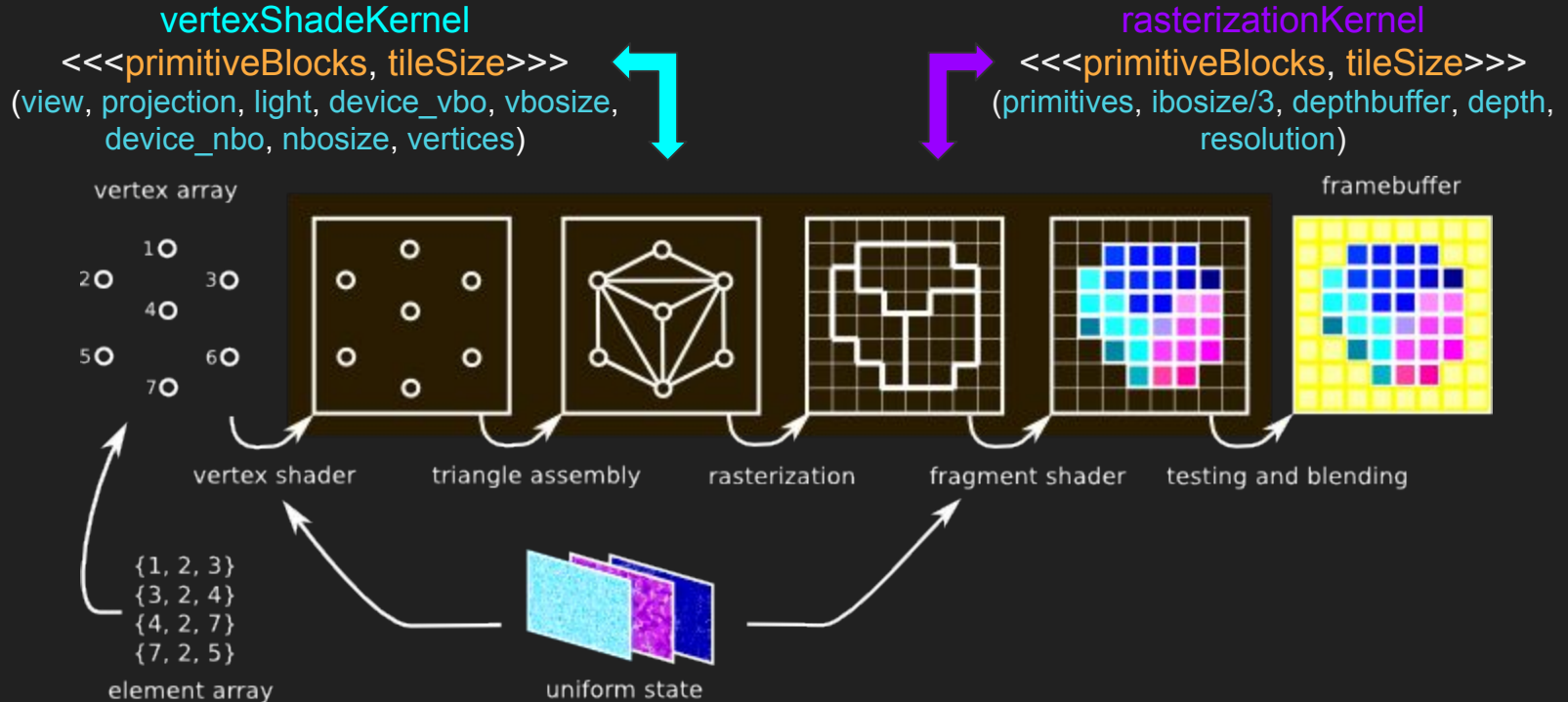
Designing a console:

- Limited space
- Cost restrictions
- Leads to limited hardware capabilities



System	Playstation 4	Discrete Card (AMD)
ALU Operations/Cycle	2,304	8,192
Shader Engines/Cycle	2	4
ALU Operations/Triangle	1,017	2,048

Approach: CUDA Kernels <<<Graphics Pipeline>>>



Results: Drawing cool looking models!

- Loading OBJ File:
../objs/cow.obj
- Loaded 5804 faces, 4583
vertices from
../objs/cow.obj

