Project Milestone 1

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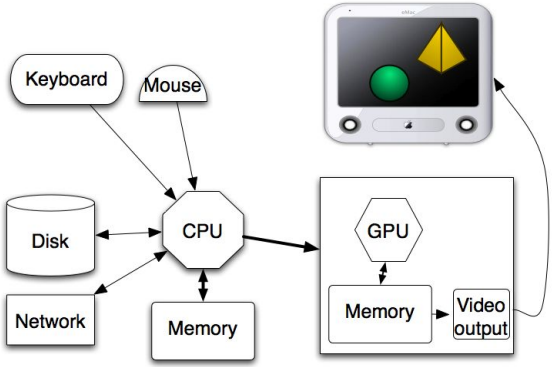
What are GPUs

- Graphic Processing Unit
- Manipulate Computer Graphics and Image Processing
- Parallel Structure
- Two Main Makers
- Growing Field

GPU vs CPU

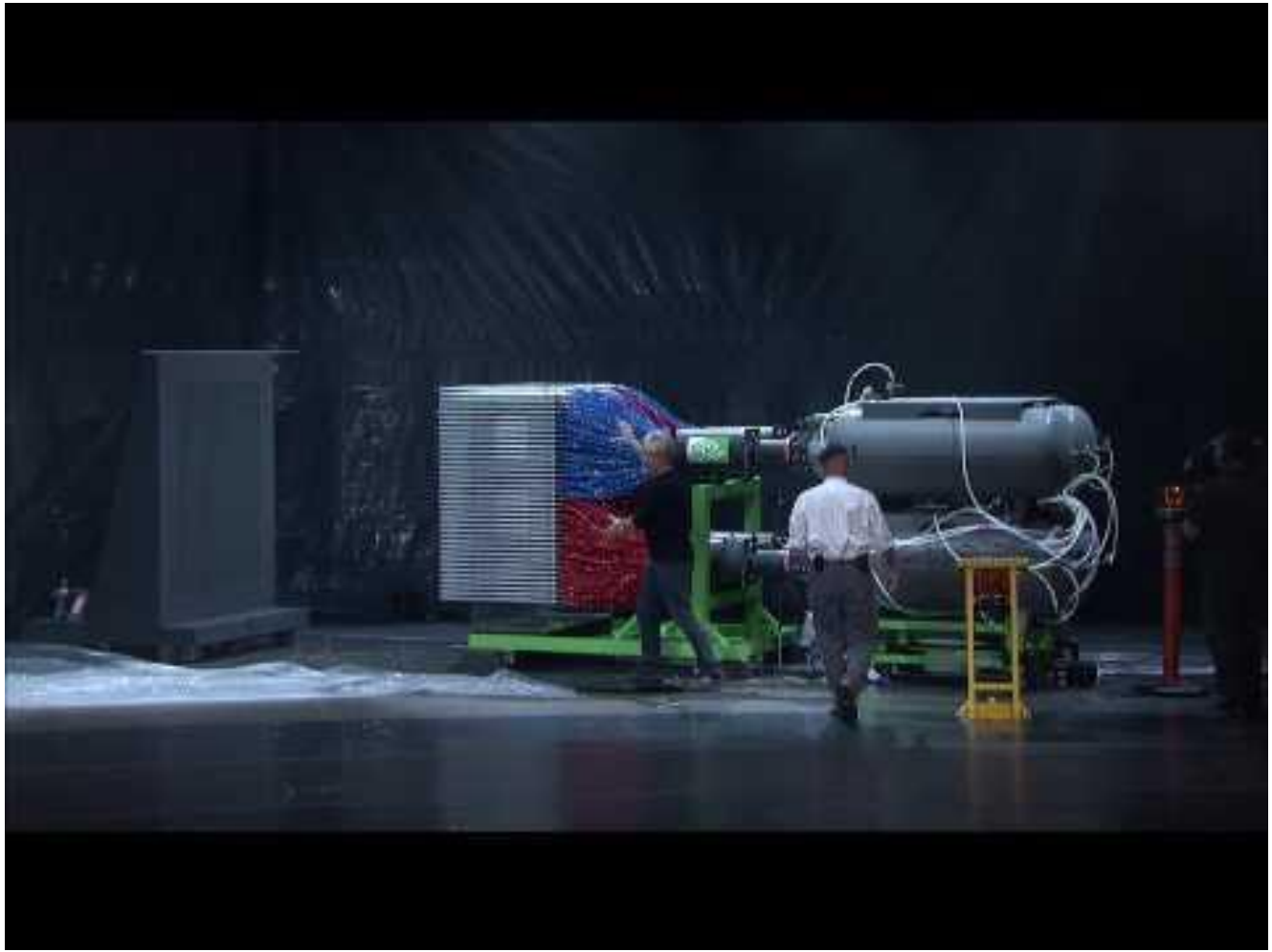


GPU

- Parallel Processing
- Handle Thousand Operations At Once
- Low Memory Consumption
- Act as a Microprocessor

CPU

- Serial Processing
- Handle Few Operations At Once
- High Memory Consumption
- The Brain of the Computer



GPUs in the Industry

- AI
- Machine Learning
- Games
- Simulations
- Banking
- Self Driving Cars

My Idea

- GPU Physics
- Learn What is Possible
- Try New Algorithms
- Do What I Could Not Do On the CPU

Other Aspects

- Done In Unity
- Decide On the API
- Learning Towards Vulkan
- Figuring out Final Physics Algorithm to Simulate

Sources

https://youtu.be/-P28LKWTzrI

Images from built in search bar