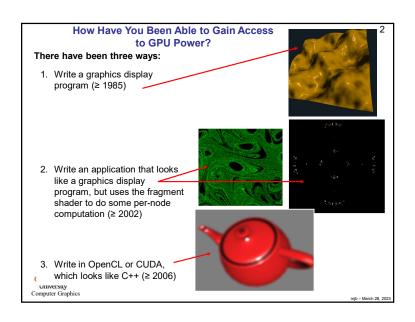
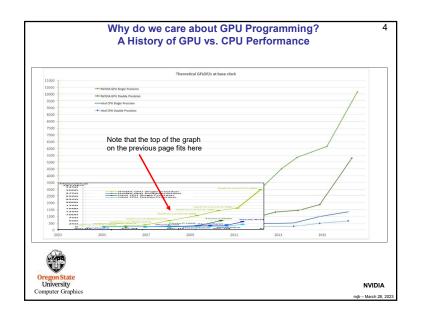


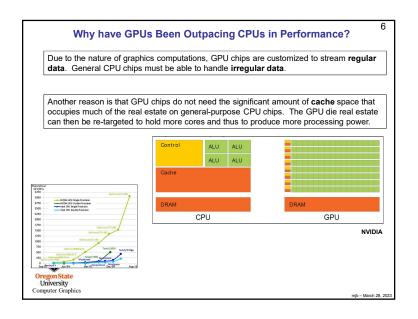
Oregon State University

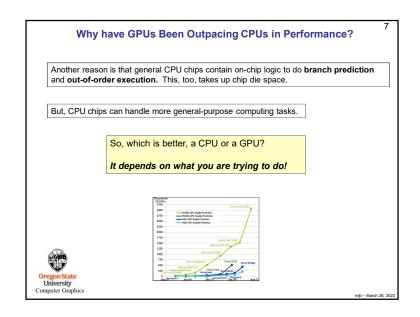
Computer Graphics

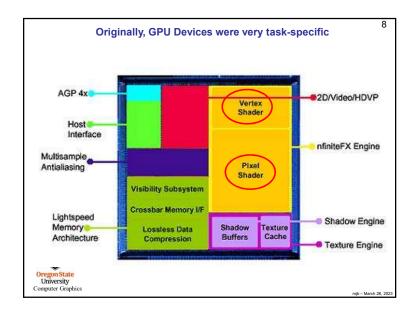


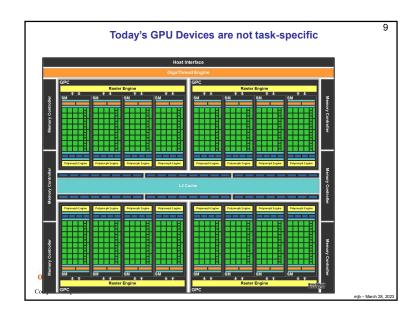


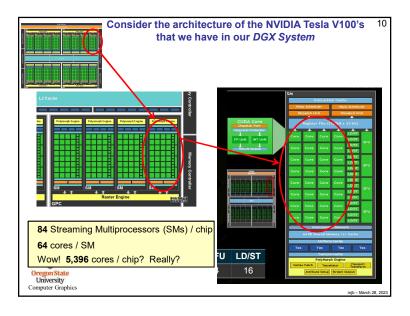


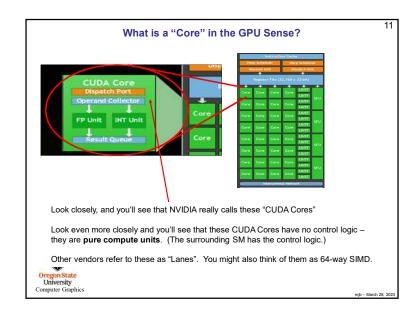


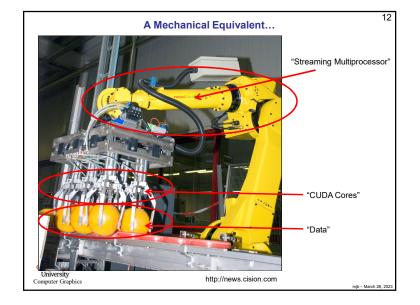


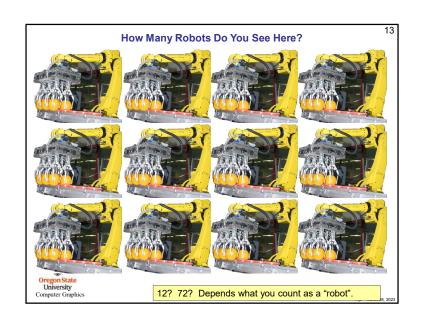


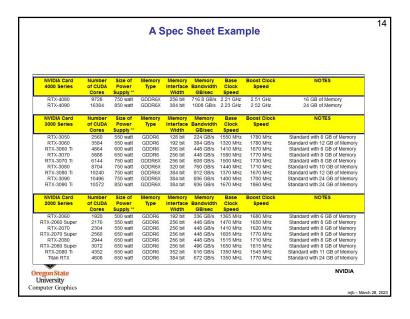


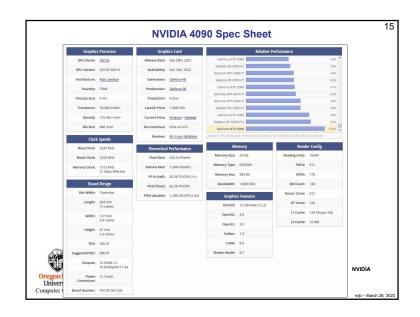


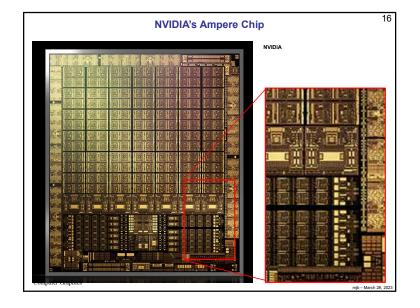


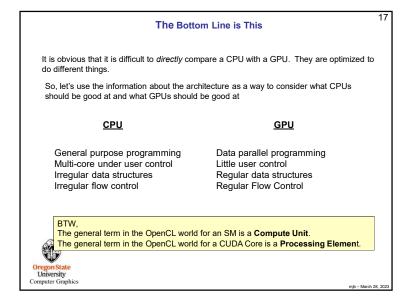


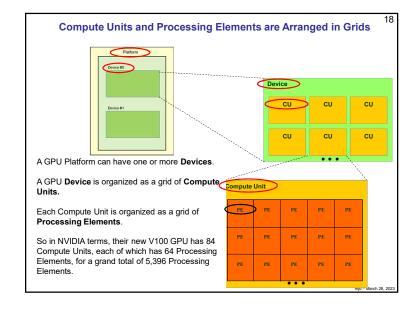


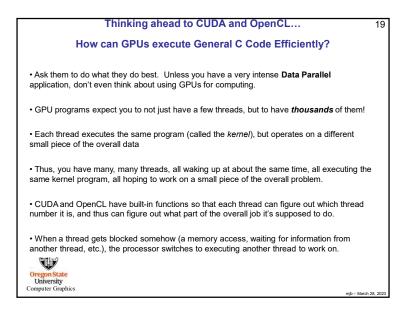


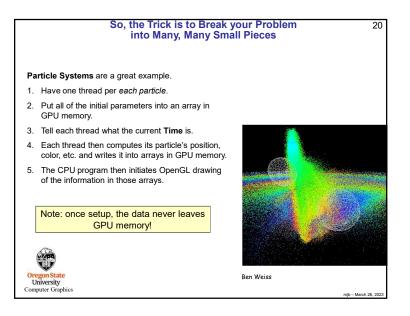


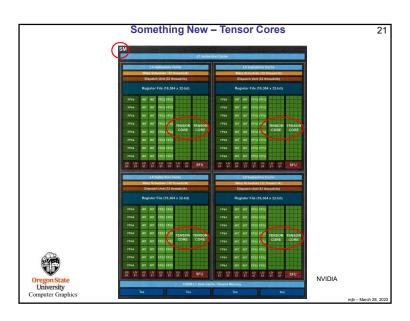


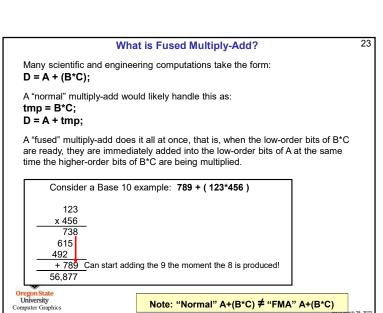


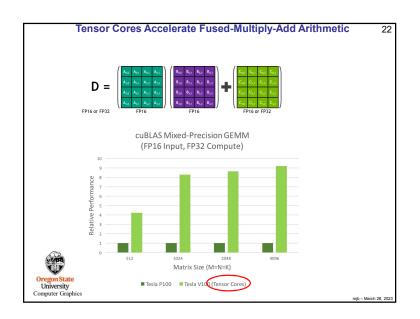


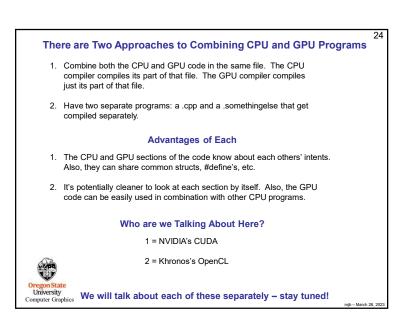












Looking ahead: If threads all execute the same program, what happens on flow divergence?

if(a > b)
Do This;
else
Do That;

- 1. The line "if(a > b)" creates a vector of Boolean values giving the results of the if-statement for each thread. This becomes a "mask".
- Then, the GPU executes all parts of the divergence:
 Do This;
 Do That;
- During that execution, anytime a value wants to be stored, the mask is consulted and the storage only happens if that thread's location in the mask is the right value.



njb - March 28, 202

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Dismantling a Graphics Card

This is an Nvidia 1080 ti card – one that died on us. It willed its body to education.

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