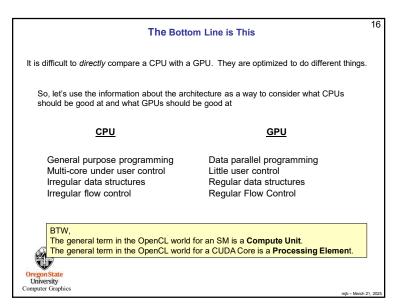
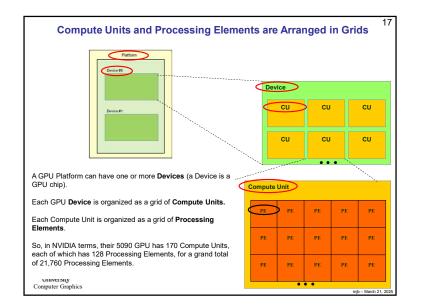
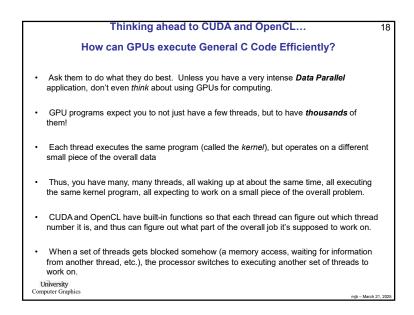


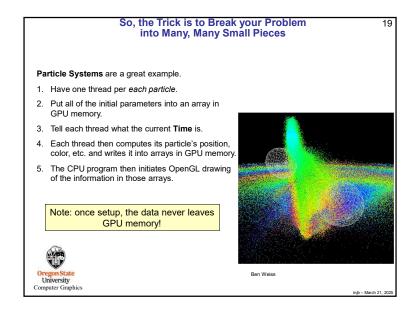
A Mechanical Equivalent	14
	"Streaming Multiprocessor" Image: Constraint of the stream of t
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Graphics Card	Architecture	Process Technology	Transistors (Billion)	Die size (mm^2)	SMs / CUs / Xe-Cores	GPU Shaders (ALUs)	Tensor / Al Cores	Ray Tracing Cores	Boost Clock (MHz)	VRAM Speed (Gbps)	VRAM (GB)	VRAM Bus Width	L2 / Infinity Cache	Render Output Units	Texture Mapping Units	TFLOPS FP32 (Boost)	TFLOPS FP16 (FP4/ EP8 TELOPS)
RTX 5090	e GB202	TSMC 4N	92.2	750	170	21760	680	170	2407	28	32	512	96	176	680	104.8	838 (3352)
RTX 4090	AD102	TSMC 4N	76.3	608.4	128	16384	512	128	2520	21	24	384	72	176	512	82.6	661 (1321)
RTX 3090	GA102	Samsung 8N	28.3	628.4	82	10496	328	82	1695	19.5	24	384	9	112	328	35.6	285
RTX 2080 Ti	TU102	TSMC 12FFN	18.6	754	68	4352	544	68	1545	14	11	352	5.5	88	272	13.4	108

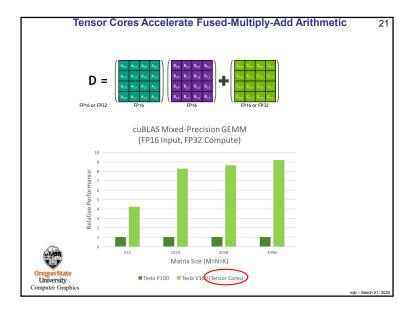


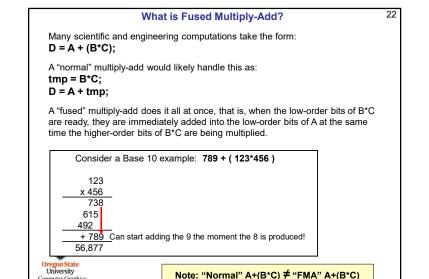












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