

# CHAPTER 23

## Conclusion and outlook

	G80 (2007)	A100 (2020)	A100/G80 Ratio
Compute Throughput	0.345 F32 TFLOPS	156 TFLOPS	452x
Memory Bandwidth	86.4 GB/s	1,555 GB/s	18x
Memory Capacity	1.5GB	40 GB	27x
PCIe Bandwidth	8 GB/s (Gen2 x16, each way)	32 GB/s (Gen4 x16, each way)	4x

**FIGURE 23.1**

From G80 to A100, a 13-year comparison.