GFLOPS per Watt vs. Memory Bandwidth 1,000 – Fab (nm) null **O** 4 **O** 5 **O** 6 **O** 7 0 8 200 -**O** 12 8 **O** 14 **O** 16 100 – **28 O** 40 O 55 **O** 65 08 **O** 90 20 -**O** 150 **180** 10 -Single precision GFLOPS/Watt Vendor O AMD Intel ∧ NVIDIA Δ Δ 0.2 -0.02 -0.01 20 100 10,000 10 200 1,000 2,000 Memory Bandwidth (GB/s)