**GFLOPS** per Watt over Time 1,000 – Fab (nm) O null **O** 4 **O** 6 200 -**2**8 100 – O 32 **O** 40 O 55 **O** 65 08 0 **O** 90 20 -O 130 **O** 150 0 **180** Single precision GFLOPS/Watt 10 – Vendor O AMD ΔΔ Intel ▲ NVIDIA 0 0 Δ A 0.2 -0.1 0.02 -2000 2001 2002 2003 2004 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 Launch