GFLOPS per Watt over Time 1,000 – Fab (nm) O null **O** 4 **O** 5 **O** 7 200 -**O** 12 **1**4 **O** 16 100 – **28 O** 32 **O** 40 **O** 55 **O** 65 08 🔘 20 -O 90 **130** 0 **150** Single precision GFLOPS/Watt 10 – **O** 180 Vendor $\triangle \Delta$ O AMD Intel **△** NVIDIA 0 0 **A A A** Δ A Δ 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