Feature size over Time 1,000 🕌 Vendor O AMD NVIDIA O Intel Vendor **Δ** ο ω O AMD Intel 0 40 44 **△** NVIDIA 0001 00 🛕 200 -000 (TD)\O 100 -OA COGOO (CO) A A 0 4040441144 44040 0 0 Fab (nm) 00 00 0 20 -AMONA A AA 10 -3 -2-1988 1990 1992 1994 1996 1998 2000 2002 2004 2008 2010 2014 2016 2018 2020 2022 2024 1986 2006 2012 Launch