Die Size over Time 10,000 -Vendor O AMD NVIDIA O Intel **GPU Type** O Desktop ■ Mobile 3,000 -2,000 -1,000 -0 00 0 00 00 00 0 0 0 00 00 000 0 00 000 0 Die size (mm2) o œ **©** 0 **∞** 8 00 0 0 0 300 -0 00 000 **D**00 **D**00 000 [®]0[®]080 0 00 0 00 200 -0000 0 **@** 0 0 0 0 🗖 100-0 0 0 0 0 0 0 0 0 0 **60** 0 00 0 0 0 0 0 0 00 00 0 00 30 -20 -10 -2003 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 1997 1998 1999 2000 2001 2002 2004 2005 2006 2007 2008 2009 2021 2022 2024 1996 2023 Launch