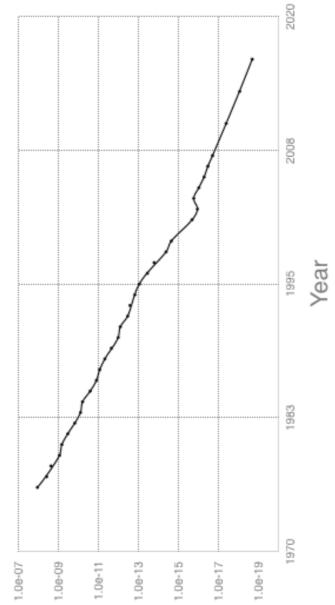


HISTORICAL COSTS OF CLASSICAL TRANSISTORS



Clock speed: Data from 1976–1999: E. R. Berndt, E. R. Dulberger, and N. J. Rappaport, "Price and Quality of Desktop and Mobile Personal Computers: A Quarter Century of History," July 17, 2000.

http://www.nber.org/~confer/2000/si2000/berndt.pdf.

Data from 2001–2016: ITRS, 2002 Update, On-Chip Local Clock in Table 4c: Performance and Package Chips: Frequency On-Chip Wiring Levels—Near-Term Years, p. 167.

Average transistor price: Intel and Dataquest reports (December 2002), see Gordon E. Moore, "Our Revolution," http:// www.sia-online.org/downloads/Moore.pdf.