

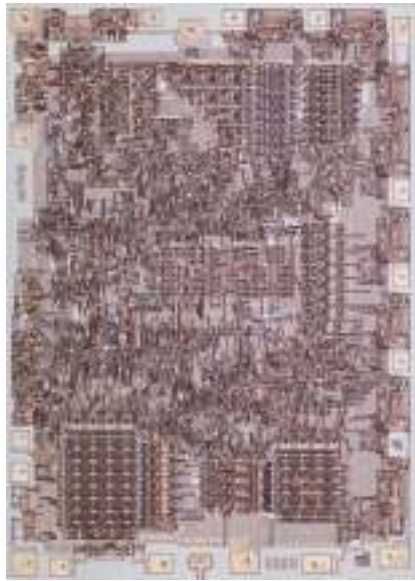
# Intel Chips

Throughout Intel's history, new and improved technologies have transformed the human experience.

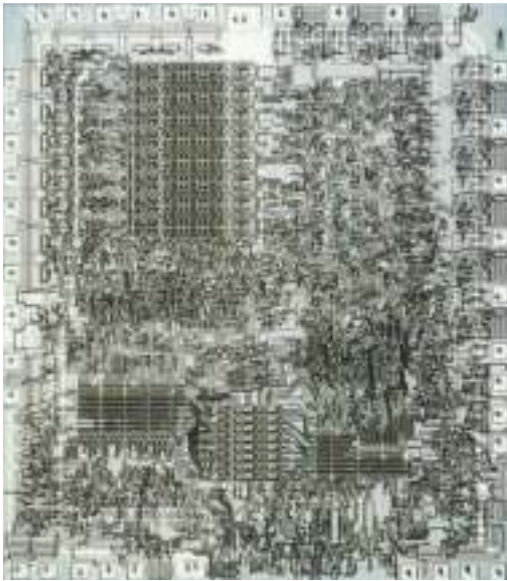
Decades of Intel chips, including the 22nm 3rd generation Intel® Core™ processor with its revolutionary 3-D Tri-Gate transistors, illustrate Intel's unwavering commitment to delivering technology and manufacturing leadership to the devices you use every day. As you advance through the chart, the benefits of Moore's Law, which states that the number of transistors roughly doubles every couple of years, are evident as Intel increases transistor density and innovates the architecture designs that deliver more complex, powerful, and energy-efficient chips that transform the way we work, live, and play.



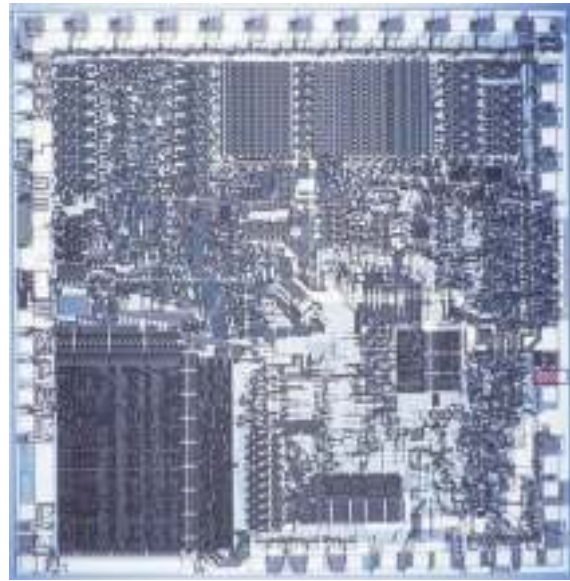
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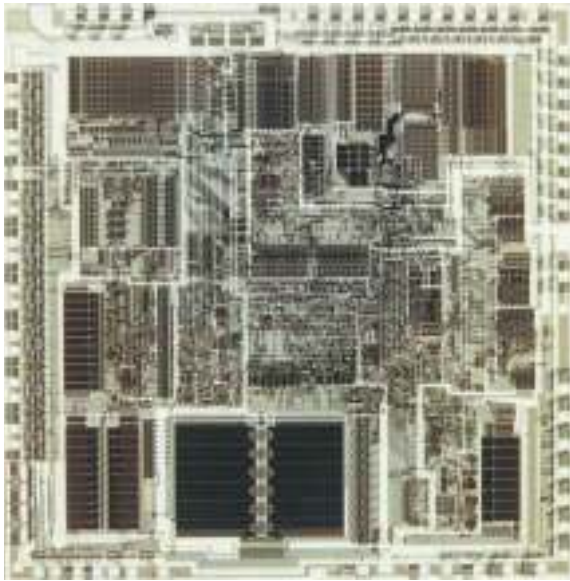
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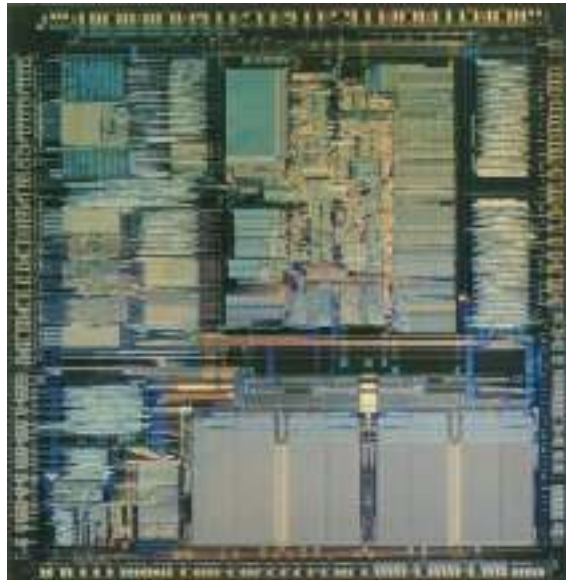
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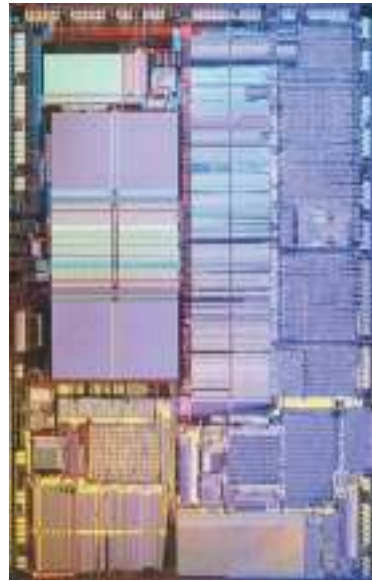
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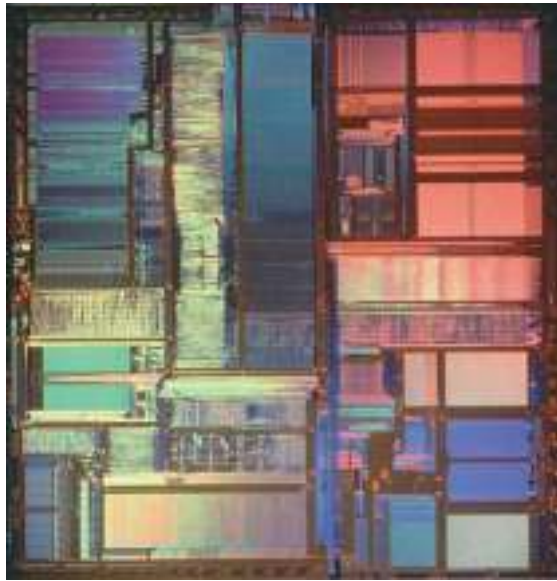
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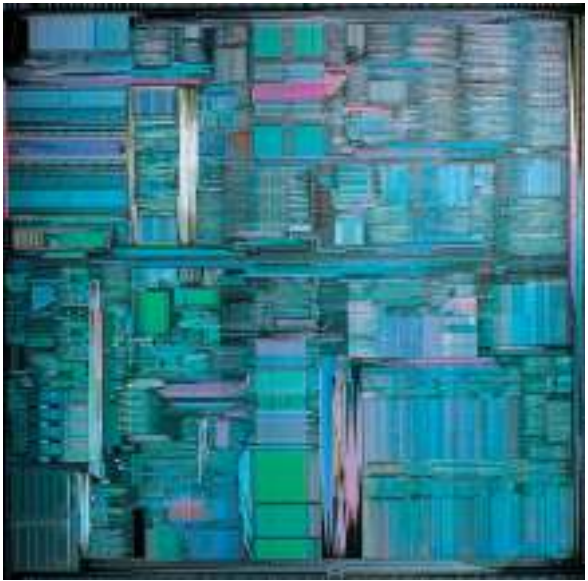
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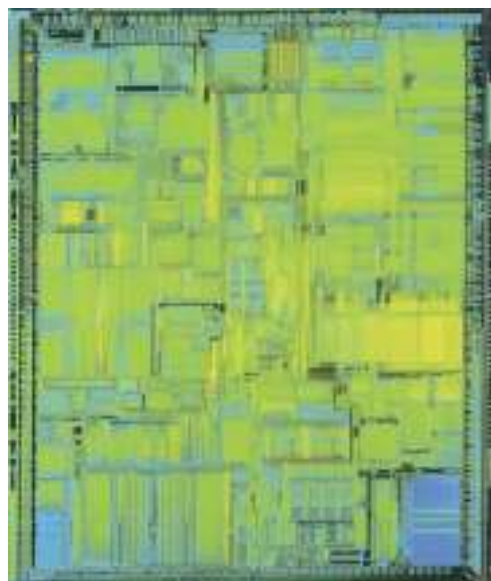
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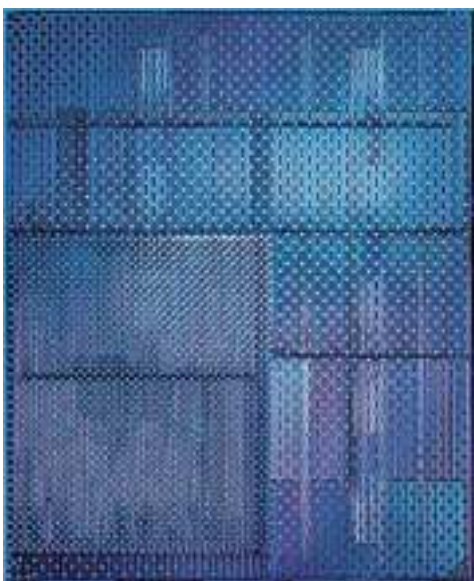
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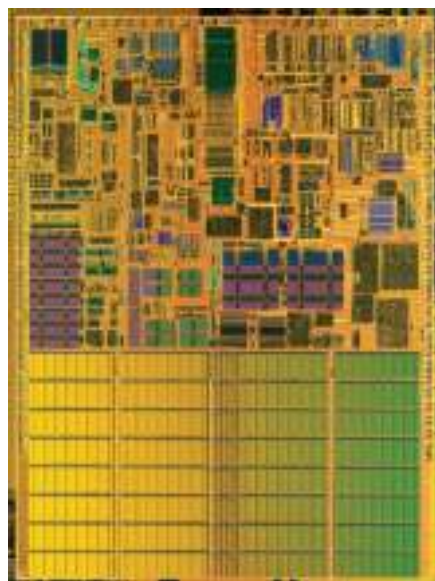
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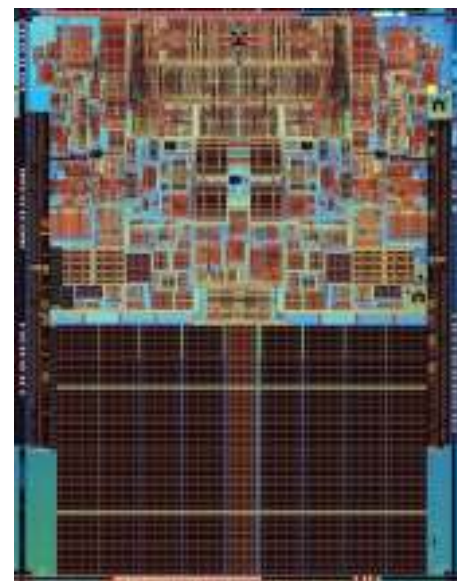
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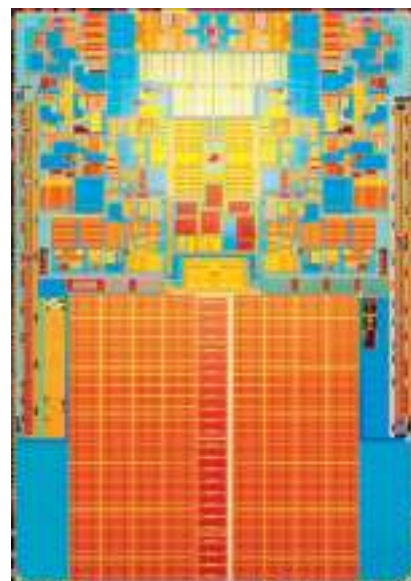
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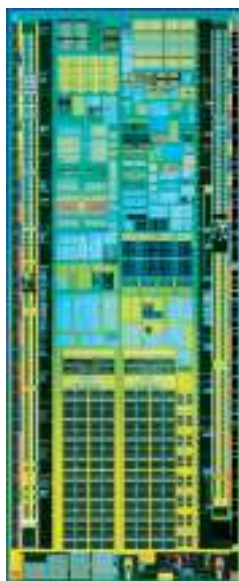
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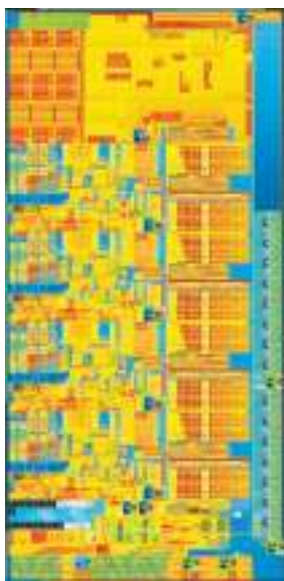
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1 1971 Intel® 4004 processor Initial clock speed: 108KHz Transistors: 2,300 Manufacturing technology: 10 micron	2 1972 Intel® 8008 processor Initial clock speed: 800KHz Transistors: 3,500 Manufacturing technology: 10 micron	3 1974 Intel® 8080 processor Initial clock speed: 2MHz Transistors: 4,500 Manufacturing technology: 6 micron	4 1978 Intel® 8086 processor Initial clock speed: 5MHz Transistors: 29,000 Manufacturing technology: 3 micron	5 1982 Intel® 286™ processor Initial clock speed: 6MHz Transistors: 134,000 Manufacturing technology: 1.5 micron	6 1985 Intel386™ processor Initial clock speed: 16MHz Transistors: 275,000 Manufacturing technology: 1.5 micron	7 1989 Intel486™ processor Initial clock speed: 25MHz Transistors: 1.2 million Manufacturing technology: 1 micron	8 1993 Intel® Pentium® processor Initial clock speed: 66MHz Transistors: 3.1 million Manufacturing technology: 0.8 micron	9 1995 Intel® Pentium® Pro processor Initial clock speed: 200MHz Transistors: 5.5 million Manufacturing technology: 0.35 micron	10 1997 Intel® Pentium® II processor Initial clock speed: 300MHz Transistors: 7.5 million Manufacturing technology: 0.25 micron	11 1998 Intel® Celeron® processor Initial clock speed: 266MHz Transistors: 7.5 million Manufacturing technology: 0.25 micron	12 1999 Intel® Pentium® III processor Initial clock speed: 600MHz Transistors: 9.5 million Manufacturing technology: 0.25 micron	13 2000 Intel® Pentium® 4 processor Initial clock speed: 1.5GHz Transistors: 42 million Manufacturing technology: 0.18 micron	14 2001 Intel® Xeon® processor Initial clock speed: 1.7GHz Transistors: 42 million Manufacturing technology: 0.18 micron	15 2003 Intel® Pentium® M processor Initial clock speed: 1.7GHz Transistors: 55 million Manufacturing technology: 90nm	16 2006 Intel® Core™2 Duo processor Initial clock speed: 2.66GHz Transistors: 291 million Manufacturing technology: 65nm	17 2008 Intel® Core™2 Duo processor Initial clock speed: 2.4GHz Transistors: 410 million Manufacturing technology: 45nm	18 2008 Intel® Atom™ processor Initial clock speed: 1.86GHz Transistors: 47 million Manufacturing technology: 45nm	19 2010 2nd generation Intel® Core™ processor Initial clock speed: 3.8GHz Transistors: 1.16 billion Manufacturing technology: 32nm	20 2012 3rd generation Intel® Core™ processor Initial clock speed: 2.9GHz Transistors: 1.4 billion Manufacturing technology: 22nm
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