

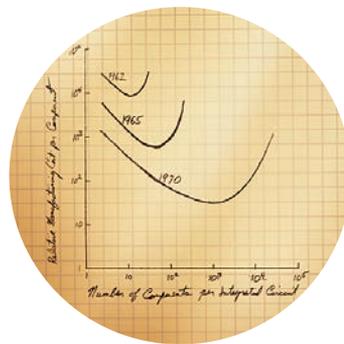


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Moore's Law Original Graph



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Moore's_Law_Original_Graph.jpg

Required caption:

In 1965, Gordon Moore sketched out his prediction of the pace of silicon technology. Decades later, Moore's Law remains true, driven largely by Intel's unparalleled silicon expertise.

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Images of Gordon Moore



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Gordon Moore_young.jpg



File name:
GordonMoore_formal.eps
Gordon Moore_formal.jpg



File name:
GordonMoore_1970_lecturing.eps
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Gordon Moore_1975.jpg



File name:
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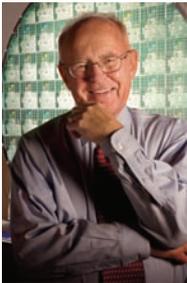
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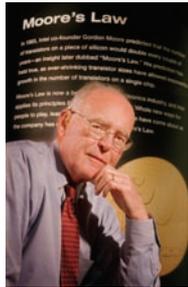
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File name:
GordonMoore_2_2005.eps
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File name:
GordonMoore_Acceptance_2004.eps
GordonMoore_Acceptance_2004.jpg

Required caption:
Gordon E. Moore, Co-founder, Intel Corporation.

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Moore's Law in Perspective Clip Art

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Gordon Moore estimated in 2003 that the number of transistors shipped in a year had reached about 10,000,000,000,000,000,000 (10¹⁸). That's about 100 times the number of ants estimated to be in the world.

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Gordon Moore estimated in 2003 that the number of transistors shipped in a year had reached about 10,000,000,000,000,000,000 (10¹⁸). That's about 100 times the number of ants estimated to be in the world.

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A chip-making tool under development superimposes magnetically levitated images within a tolerance of 1/10,000 the thickness of a human hair — a feat equivalent to driving a car straight for 400 miles while deviating less than one inch.

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A chip-making tool under development superimposes magnetically levitated images within a tolerance of 1/10,000 the thickness of a human hair — a feat equivalent to driving a car straight for 400 miles while deviating less than one inch.

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Because electricity travels

a shorter distance in a smaller transistor, smaller transistors mean faster chips. It would take you about 25,000 years to turn a light switch on and off 1.5 trillion times, but Intel has developed transistors that can switch on and off that many times each second.

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In 1978, a commercial flight

between New York and Paris cost around \$900 and took seven hours.

If the principles of Moore's Law had been applied to the airline industry the way they have to the semiconductor industry since 1978, that flight would now cost about a penny and take less than one second.

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In 1978, a commercial flight between New York and Paris cost around \$900 and took seven hours. If the principles of Moore's Law had been applied to the airline industry the way they have to the semiconductor industry since 1978, that flight would now cost about a penny and take less than one second.

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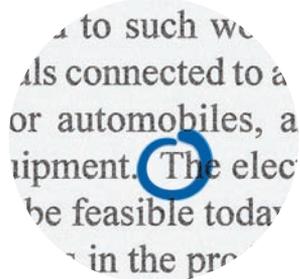
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...to such we
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...be feasible today
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The price per transistor
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dramatically since Intel was
founded in 1968. Some people
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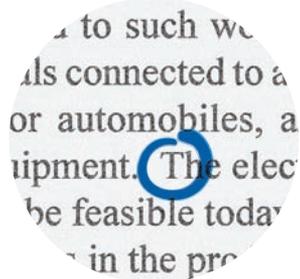
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...to such we
...als connected to a
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The price per transistor
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Some people estimate
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newspaper character.

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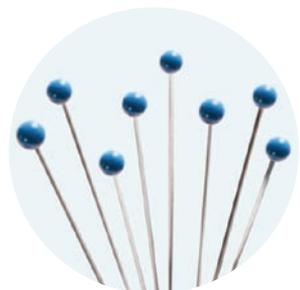
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**On the road to a billion
transistors** per chip,
Intel has developed transistors
so small that about 200 million
of them could fit on the head
of each of these pins.

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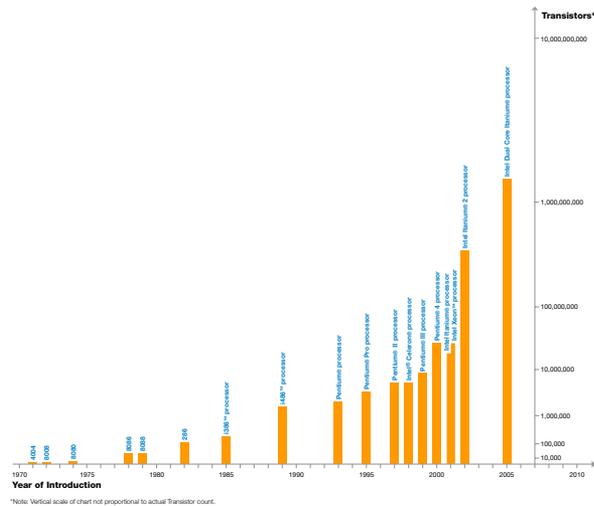
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Moore's Law Microprocessor Chart



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Microprocessor_Chart.eps
Microprocessor_Chart.jpg

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Moore's Law Transistor Count Chart

Microprocessor	Year of Introduction	Transistors
4004	1971	2,300
8008	1972	2,500
8080	1974	4,500
8086	1978	29,000
Intel286	1982	134,000
Intel386™ processor	1985	275,000
Intel486™ processor	1989	1,200,000
Intel® Pentium® processor	1993	3,100,000
Intel® Pentium® II processor	1997	7,500,000
Intel® Pentium® III processor	1999	9,500,000
Intel® Pentium® 4 processor	2000	42,000,000
Intel® Itanium® processor	2001	25,000,000
Intel® Itanium® 2 processor	2003	220,000,000
Intel® Itanium® 2 processor (9MB cache)	2004	592,000,000

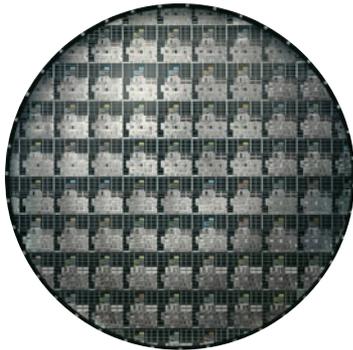
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Transistor_Count_Bar_Chart.eps
Transistor_Count_Bar_Chart.jpg

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Intel® Wafers



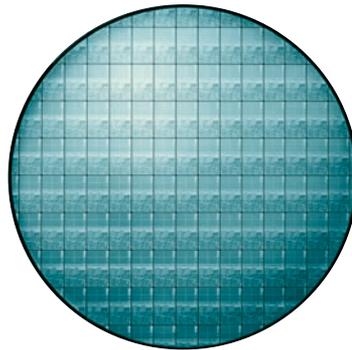
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Required caption:

Intel® Itanium® Processor

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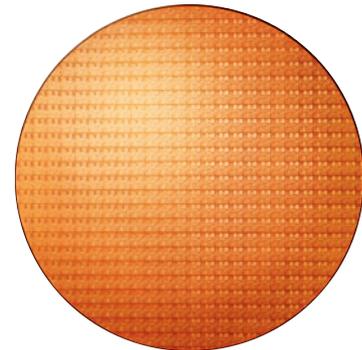
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Intel® Xeon™ Processor

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Intel® Pentium® 4 Processor

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