Use of Binary in Computing

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Types

What every computer scientist should know about floating-point arithmetic, 2023. URL https://docs.oracle.com/cd/E19957-01/806-3568/ncg_goldberg.html

Fabien Sanglard. Floating point visually explained, 2023. URL https://fabiensanglard.net/floating_point_visually_explained/

Integer Addition

	55	110111
+	33	100001
	88	1011000

Integer Multiply by Two

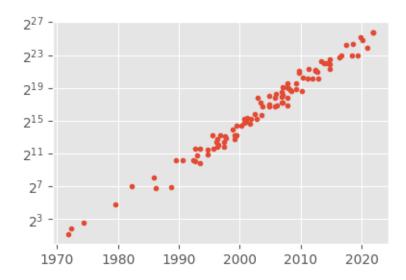
	55	110111
×	2	10
		000000
+		1101110
	110	1101110

Nanometers

nm	Nanometre	0.000000001 metres
	Nanometre	10^{-9} metres
pm	Picometre	10^{-12} metres
	Atomic Radius of Silicon	111pm

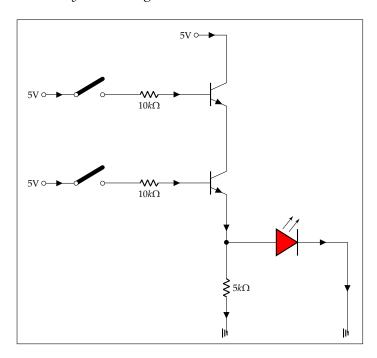


Moore's Law



karlrupp/microprocessor-trend-data: Data repository for my blog series on microprocessor trend data., 2023. URL https://github.com/karlrupp/ microprocessor-trend-data

From Physical to Logical



Designing an AND gate using transistors, 2023. URL https://circuitdigest. com/electronic-circuits/ designing-and-gate-using-transistors

