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A supercomputer is a computer with a high level of performance
as compared to a general-purpose computer. The performance
of a supercomputer is commonly measured in floating-point
operations per second instead of million instructions per second
(MIPS). Since 2017, there are supercomputers which can perform
over a hundred quadrillion FLOPS (100 petaFLOPS, or PFLOPS).

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Vector processors can greatly improve performance on certain workloads, notably numerical simulation and similar tasks. Vector machines appeared in the early 1970s and dominated supercomputer design through the 1970s into the 1990s, notably the various Cray platforms.

Vector processor - Wikipedia

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