TOP500® JUNE 2010

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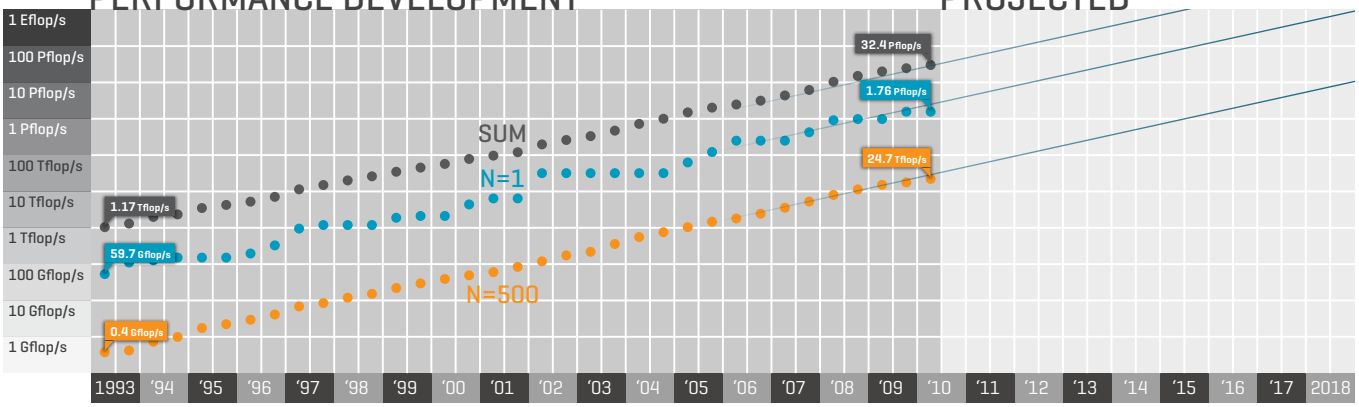
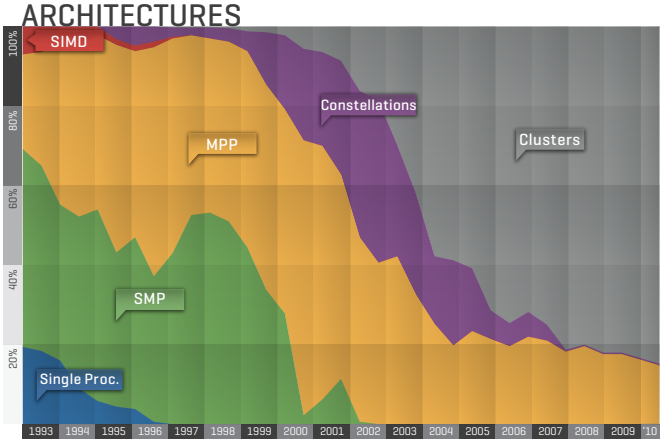
	NAME/MANUFACTURER/COMPUTER	LOCATION	COUNTRY	CORES	R_{max}
1	**Jaguar**, Cray XT5 6-core 2.6 GHz	DOE / OS / ORNL	USA	224162	1.76
2	**Nebulae**, Dawning TC3600 Blade, Intel X5650, NVidia Tesla C2050 GPU	National Supercomputing Centre in Shenzhen (NSCS)	China	120640	1.27
3	**Roadrunner**, IBM BladeCenter QS22/LS21 Cluster, PowerXCell 3.2 Ghz / Opteron 1.8 GHz, Voltaire Iband	DOE / NNSA / LANL	USA	122400	1.04
4	**Kraken**, Cray XT5 6-core 2.6 GHz	NSF / U of Tennessee	USA	98928	.832
5	**Jugene**, IBM Blue Gene/P Solution	Forschungszentrum Juelich	Germany	294912	.826

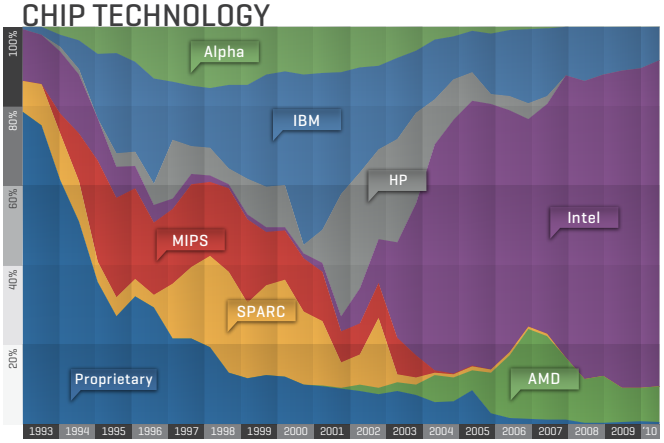
PERFORMANCE DEVELOPMENT



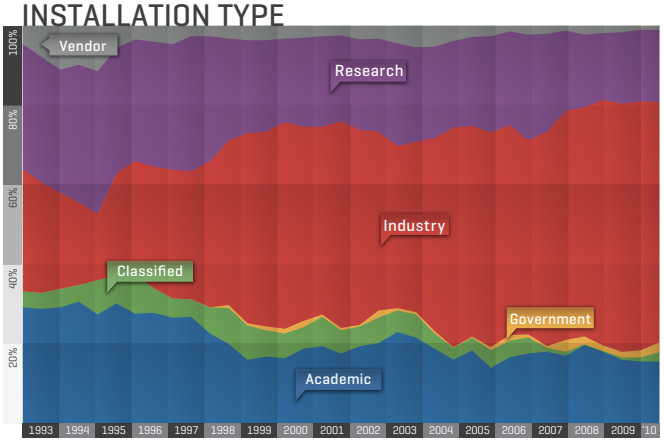
ARCHITECTURES



CHIP TECHNOLOGY



INSTALLATION TYPE



HPLINPACK

A Portable Implementation of the High Performance Linpack Benchmark for Distributed Memory Computers

Algorithm: recursive panel factorizations, multiple lookahead depths, bandwidth reducing swapping

Easy to install, only needs MPI + BLAS or VSIPL

Highly scalable and efficient from the smallest cluster to the largest supercomputers in the world

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