TOP 500
The List.

PRESENTED BY

ICL INNOVATIVE COMPUTING LABORATORY

BERKELEY LAB Lawrence Berkeley National Laboratory

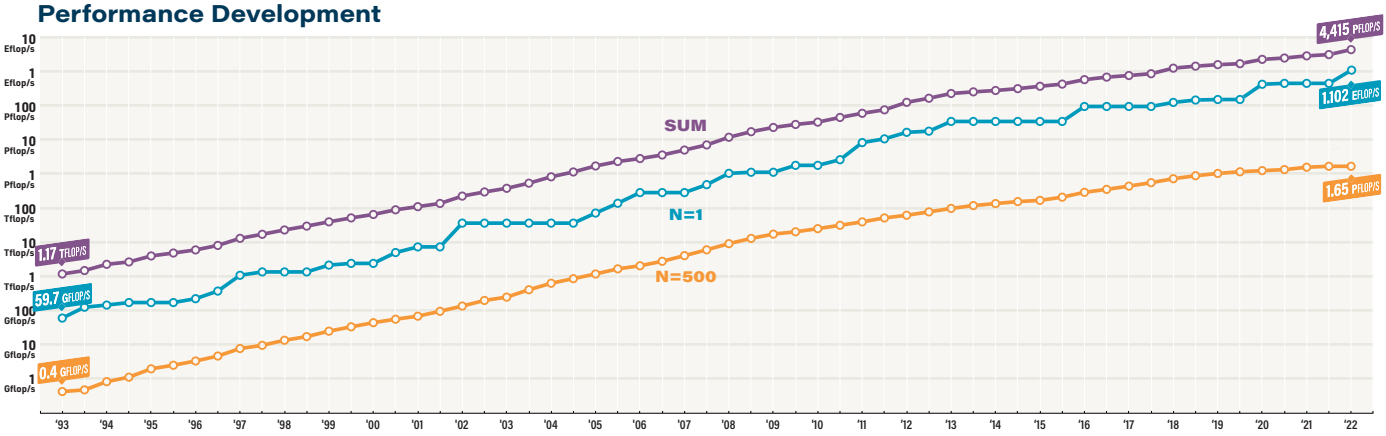
ISC GROUP Moving Forward.

FIND OUT MORE AT

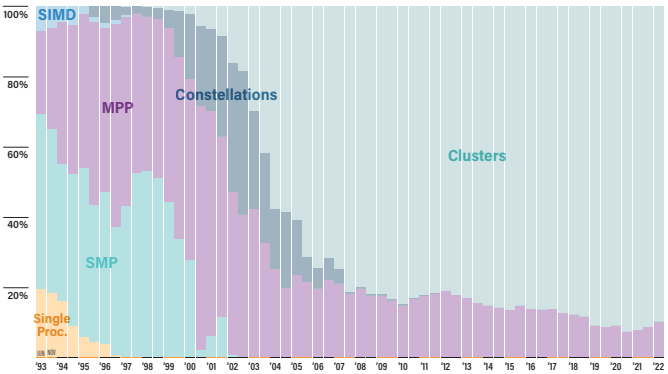
top500.org

JUNE 2022	SYSTEM	SPECS	SITE	COUNTRY	CORES	RMAX PFLOP/S	POWER MW
1	**Frontier**	HPE Cray EX235a, AMD Opt 3rd Gen EPYC 64C 2GHz, AMD Instinct MI250X, Slingshot-10	DOE/SC/ORNL	USA	8,730,112	1,102.0	21.3
2	**Fugaku**	Fujitsu A64FX (48C, 2.2GHz), Tofu Interconnect D	RIKEN R-CCS	Japan	7,630,848	442.0	29.9
3	**LUMI**	HPE Cray EX235a, AMD Opt 3rd Gen EPYC 64C 2GHz, AMD Instinct MI250X, Slingshot-10	EuroHPC/CSC	Finland	1,268,736	151.9	2.94
4	**Summit**	IBM POWER9 (22C, 3.07GHz), NVIDIA Volta GV100 (80C), Dual-Rail Mellanox EDR Infiniband	DOE/SC/ORNL	USA	2,414,592	148.6	10.1
5	**Sierra**	IBM POWER9 (22C, 3.1GHz), NVIDIA Tesla V100 (80C), Dual-Rail Mellanox EDR Infiniband	DOE/NNSA/LLNL	USA	1,572,480	94.6	7.44

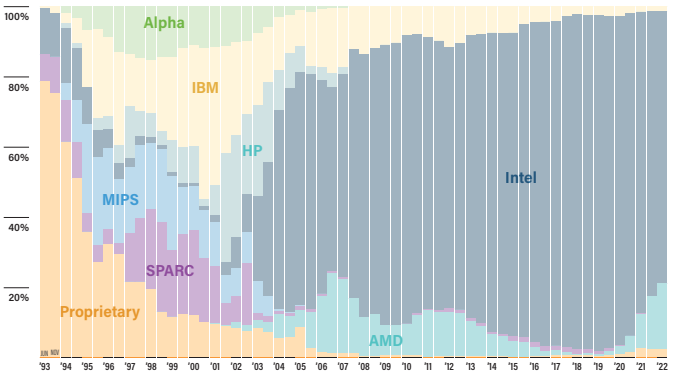
Performance Development



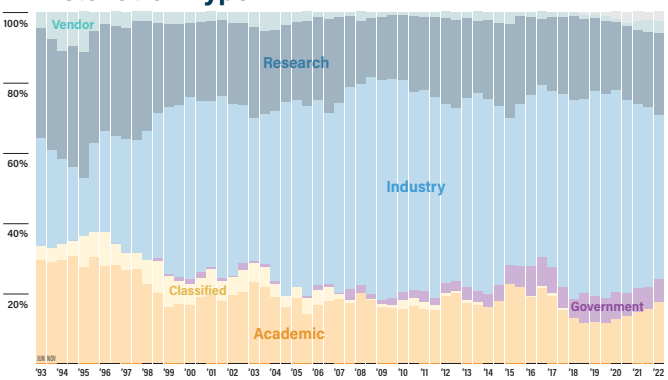
Architectures



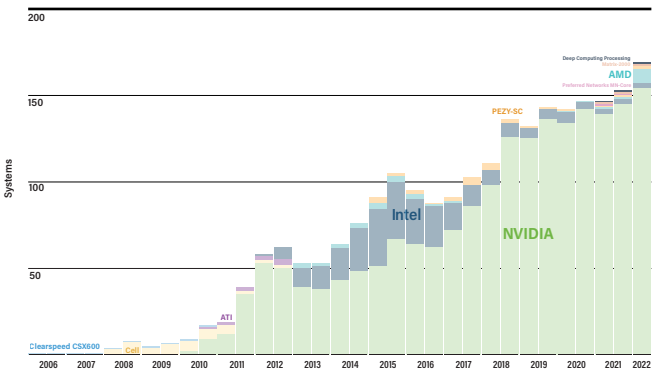
Chip Technology



Installation Type



Accelerators/Co-processors



HPLINPACK *A Portable Implementation of the High Performance Linpack Benchmark for Distributed Memory Computers* MORE INFO AT http://icl.utk.edu/hpl/