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UNIVERSITY OF
MANNHEIM

<http://www.uni-mannheim.de/english/>

ICL  UT
 INNOVATIVE COMPUTING
 LABORATORY

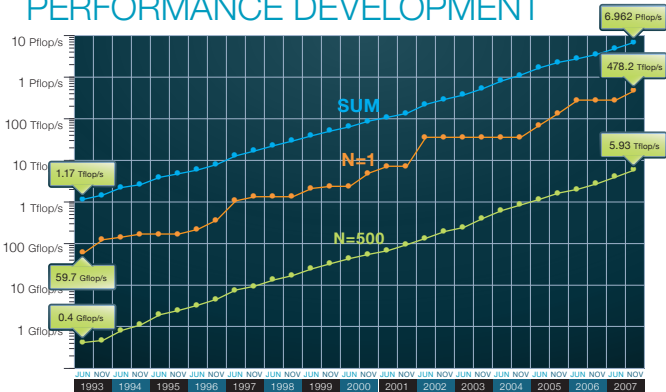
<http://icl.cs.utk.edu/>


 BERKELEY LAB

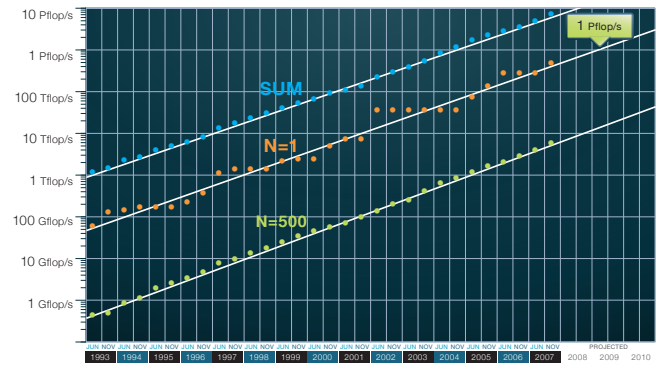
<http://www.lbl.gov/>

TOP5	MANUFACTURER/COMPUTER	LOCATION	COUNTRY	CORES	R _{MAX} (Tflop/s)
1	IBM eServer Blue Gene Solution	DOE/NNAS/Lawrence Livermore National Lab	USA	212992	478
2	IBM Blue Gene/P Solution	Forschungszentrum Jülich	Germany	65536	167
3	SGI Altix ICE 8200, Xeon quad core 3.0 GHz	New Mexico Computing Applications Center	USA	14336	127
4	HP Cluster Platform 3000 BL460c, Xeon 53xx 3GHz, Infiniband	Computational Research Laboratories, TATA SONS	India	14240	118
5	HP Cluster Platform 3000 BL460c, Xeon 53xx 2.66GHz, Infiniband	Swedish Government Agency	Sweden	13728	103

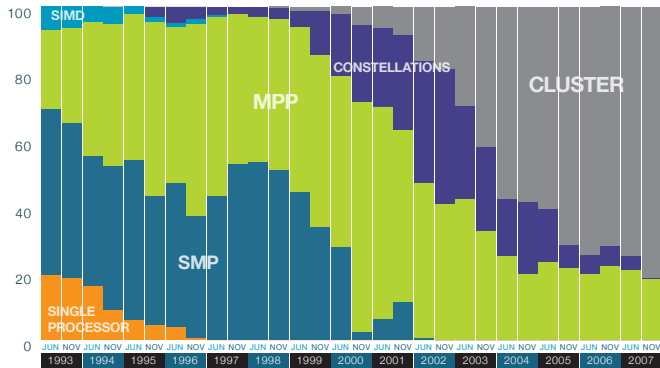
PERFORMANCE DEVELOPMENT



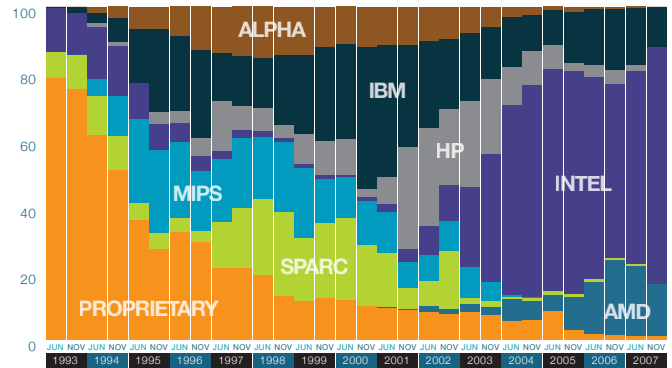
PROJECTED PERFORMANCE DEVELOPMENT



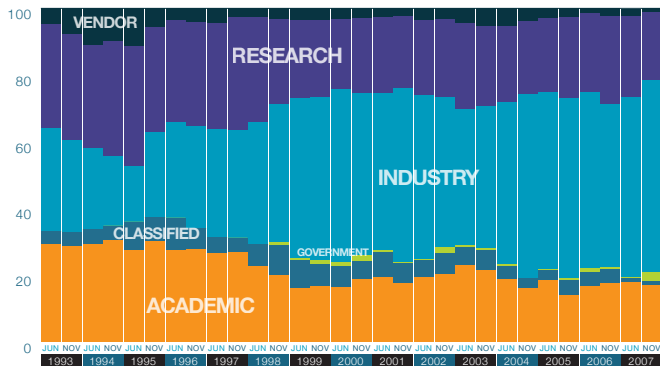
ARCHITECTURES



CHIP TECHNOLOGY



INSTALLATION TYPE



HPLINPACK

<http://icl.cs.utk.edu/hpl/>

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 VSIBL

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