

# TOP500®

NOVEMBER 2012

PRESENTED BY  
UNIVERSITY OF  
MANNHEIM

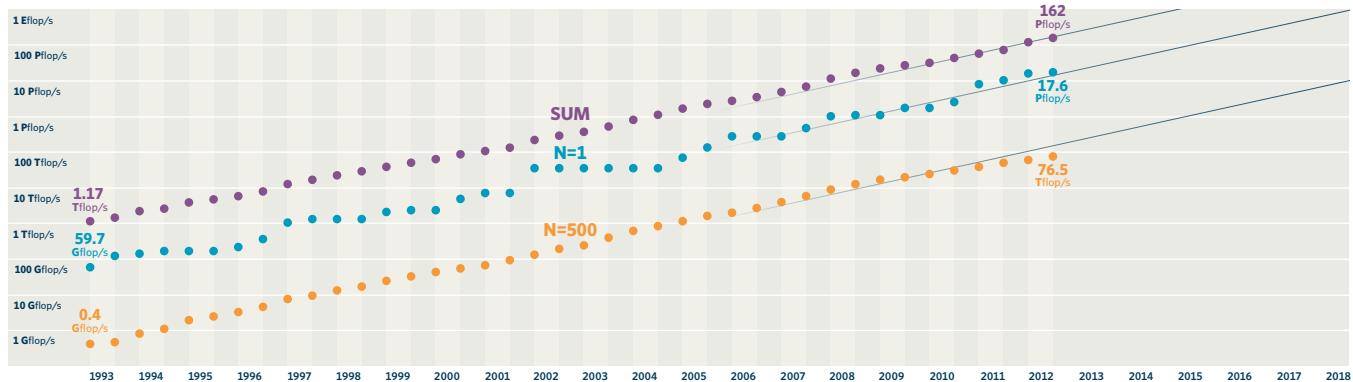


Lawrence Berkeley  
National Laboratory

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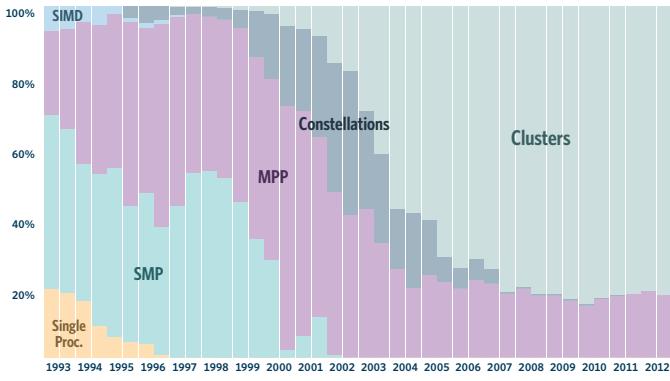
NAME	SPECS	SITE	COUNTRY	CORES	R <sub>MAX</sub> PFLOP/S	POWER MW
<b>1 TITAN</b>	Cray XK7, Operon 6274 16C 2.2 GHz + Nvidia Kepler GPU, Custom interconnect	DOE/OS/ORNL	USA	560,640	<b>17.6</b>	8.3
<b>2 SEQUOIA</b>	IBM BlueGene/Q, Power BQC 16C 1.60 GHz, Custom interconnect	DOE/NNSA/LLNL	USA	1,572,864	<b>16.3</b>	7.9
<b>3 K COMPUTER</b>	Fujitsu SPARC64 VIIIfx 2.0GHz, Custom interconnect	RIKEN AICS	Japan	705,024	<b>10.5</b>	12.7
<b>4 MIRA</b>	IBM BlueGene/Q, Power BQC 16C 1.60 GHz, Custom interconnect	DOE/OS/ANL	USA	786,432	<b>8.16</b>	3.95
<b>5 JuQUEEN</b>	IBM BlueGene/Q, Power BQC 16C 1.60 GHz, Custom interconnect	Forschungszentrum Jülich	Germany	393,216	<b>4.14</b>	1.97

## PERFORMANCE DEVELOPMENT

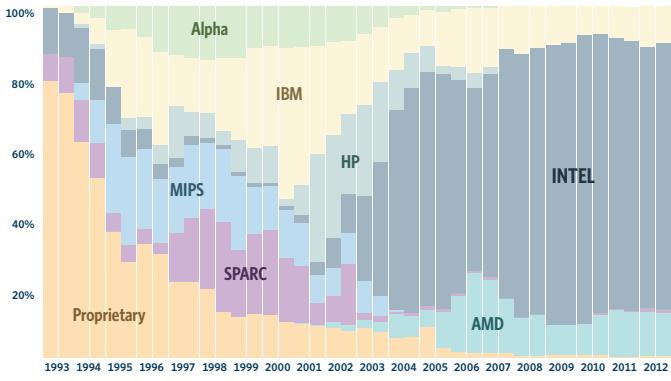


## PROJECTED

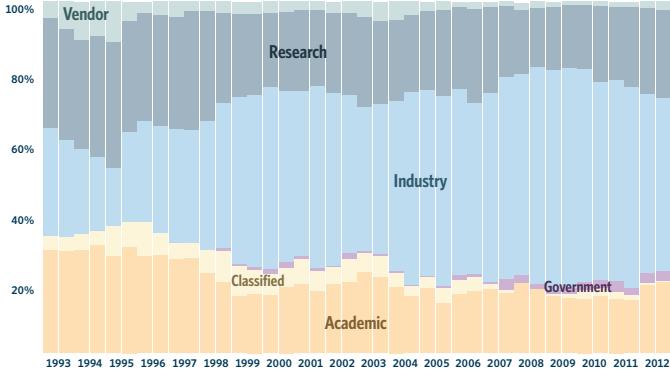
## ARCHITECTURES



## CHIP TECHNOLOGY



## INSTALLATION TYPE



## ACCELERATORS/CO-PROCESSORS

