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# TOP500 Report for June 2009

TOP500 Team

<http://www.top500.org/>

### Countries

Countries	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Australia	1	0.2000 %	21906	0.10 %	21906.0000	4096	0.0998 %	4096
Austria	5	1.0000 %	117787	0.52 %	23557.4000	12628	0.3076 %	2525
Belgium	1	0.2000 %	22731	0.10 %	22731.0000	3984	0.0971 %	3984
Bulgaria	1	0.2000 %	23415	0.10 %	23415.0000	8192	0.1996 %	8192
Canada	8	1.6000 %	358741	1.59 %	44842.6250	52100	1.2693 %	6512
China	21	4.2000 %	788125	3.49 %	37529.7619	135592	3.3033 %	6456
Finland	1	0.2000 %	76510	0.34 %	76510.0000	10864	0.2647 %	10864
France	23	4.6000 %	1004743	4.44 %	43684.4783	190908	4.6509 %	8300
Germany	29	5.8000 %	2113110	9.35 %	72865.8621	458560	11.1715 %	15812
Hong Kong	1	0.2000 %	17380	0.08 %	17380.0000	2048	0.0499 %	2048
India	6	1.2000 %	247285	1.09 %	41214.1667	33456	0.8151 %	5576
Ireland	1	0.2000 %	25110	0.11 %	25110.0000	2560	0.0624 %	2560
Israel	1	0.2000 %	24670	0.11 %	24670.0000	5096	0.1241 %	5096
Italy	6	1.2000 %	186239	0.82 %	31039.8333	19480	0.4746 %	3246
Japan	15	3.0000 %	873109	3.86 %	58207.2667	131872	3.2127 %	8791

Countries	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Malaysia	1	0.2000 %	20442	0.09 %	20442.00 00	4096	0.0998 %	4096
Mexico	1	0.2000 %	18480	0.08 %	18480.00 00	2120	0.0516 %	2120
Netherlands	3	0.6000 %	111506	0.49 %	37168.66 67	27904	0.6798 %	9301
New Zealand	5	1.0000 %	157639	0.70 %	31527.80 00	29680	0.7231 %	5936
Norway	2	0.4000 %	72454	0.32 %	36227.00 00	11182	0.2724 %	5591
Poland	4	0.8000 %	99962	0.44 %	24990.50 00	15432	0.3760 %	3858
Russia	5	1.0000 %	261682	1.16 %	52336.40 00	34808	0.8480 %	6961
Saudia Arabia	2	0.4000 %	224876	0.99 %	112438.0 000	69728	1.6987 %	34864
Singapore	1	0.2000 %	22801	0.10 %	22801.00 00	2400	0.0585 %	2400
Slovenia	1	0.2000 %	36753	0.16 %	36753.00 00	4096	0.0998 %	4096
Spain	5	1.0000 %	163416	0.72 %	32683.20 00	25784	0.6282 %	5156
Sweden	10	2.0000 %	343447	1.52 %	34344.70 00	46604	1.1354 %	4660
Switzerland	4	0.8000 %	184945	0.82 %	46236.25 00	29572	0.7204 %	7393
Taiwan	1	0.2000 %	19910	0.09 %	19910.00 00	2080	0.0507 %	2080
United Kingdom	44	8.8000 %	1248013	5.52 %	28363.93 18	174720	4.2565 %	3970
United States	291	58.2000 %	13720810	60.69 %	47150.54 98	2553091	62.1987 %	8773
<b>All</b>	<b>500</b>	<b>100%</b>	<b>22608000</b>	<b>100%</b>		<b>4104733</b>	<b>100%</b>	

Geographical Region

Geographical Region	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Australia and New Zealand	6	1.2000 %	179545	0.79 %	29924.1667	33776	0.8229 %	5629
Central America	1	0.2000 %	18480	0.08 %	18480.0000	2120	0.0516 %	2120
Eastern Asia	38	7.6000 %	1698524	7.51 %	44698.0000	271592	6.6166 %	7147
Eastern Europe	10	2.0000 %	385059	1.70 %	38505.9000	58432	1.4235 %	5843
North America	299	59.8000 %	14079551	62.28 %	47088.7993	2605191	63.4680 %	8713
Northern Europe	58	11.6000 %	1765534	7.81 %	30440.2414	245930	5.9914 %	4240
South-central Asia	6	1.2000 %	247285	1.09 %	41214.1667	33456	0.8151 %	5576
South-eastern Asia	2	0.4000 %	43243	0.19 %	21621.5000	6496	0.1583 %	3248
Southern Europe	12	2.4000 %	386408	1.71 %	32200.6667	49360	1.2025 %	4113
Western Asia	3	0.6000 %	249546	1.10 %	83182.0000	74824	1.8229 %	24941
Western Europe	65	13.0000 %	3554821	15.72 %	54689.5538	723556	17.6274 %	11131
<b>All</b>	<b>500</b>	<b>100%</b>	<b>22608000</b>	<b>100%</b>		<b>4104733</b>	<b>100%</b>	

### Architectures

Architectures	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Cluster	410	82.0000 %	13258023	58.64 %	32336.6415	2122220	51.7018 %	5176
Constellations	2	0.4000 %	94970	0.42 %	47485.0000	17648	0.4299 %	8824
MPP	88	17.6000 %	9255003	40.94 %	105170.4886	1964865	47.8683 %	22328
<b>All</b>	<b>500</b>	<b>100%</b>	<b>22608000</b>	<b>100%</b>		<b>4104733</b>	<b>100%</b>	

Continent

Continent	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Americas	300	60.0000 %	14098031	62.36 %	46993.43 67	2607311	63.5196 %	8691
Asia	49	9.8000 %	2238599	9.90 %	45685.69 39	386368	9.4127 %	7885
Europe	145	29.0000 %	6091822	26.95 %	42012.56 55	1077278	26.2448 %	7429
Oceania	6	1.2000 %	179545	0.79 %	29924.16 67	33776	0.8229 %	5629
<b>All</b>	500	100%	22608000	100%		4104733	100%	

Manufacturer

Manufacturer	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
ACTION	1	0.2000 %	38170	0.17 %	38170.00 00	5336	0.1300 %	5336
Appro International	6	1.2000 %	393320	1.74 %	65553.33 33	62880	1.5319 %	10480
Atipa Technology	2	0.4000 %	35080	0.16 %	17540.00 00	4180	0.1018 %	2090
Bull SA	5	1.0000 %	481080	2.13 %	96216.00 00	54576	1.3296 %	10915
ClusterVision/Dell	2	0.4000 %	37200	0.16 %	18600.00 00	4332	0.1055 %	2166
ClusterVision/IBM	1	0.2000 %	28775	0.13 %	28775.00 00	3360	0.0819 %	3360
Cray Inc.	20	4.0000 %	3089355	13.66 %	154467.7 500	455745	11.1029 %	22787
DALCO AG Switzerland	1	0.2000 %	28990	0.13 %	28990.00 00	2880	0.0702 %	2880
Dawning	1	0.2000 %	180600	0.80 %	180600.0 000	30720	0.7484 %	30720
Dell	14	2.8000 %	492550	2.18 %	35182.14 29	72700	1.7711 %	5192
Dell/Sun	2	0.4000 %	97020	0.43 %	48510.00 00	13224	0.3222 %	6612
Fujitsu	3	0.6000 %	249000	1.10 %	83000.00 00	26944	0.6564 %	8981
Hewlett-Packard	212	42.4000 %	5678374	25.12 %	26784.78 30	926948	22.5824 %	4372
Hitachi	2	0.4000 %	139634	0.62 %	69817.00 00	16384	0.3991 %	8192
IBM	188	37.6000 %	8903270	39.38 %	47357.81 91	2080672	50.6896 %	11067

Manufacturer	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Intel	1	0.2000 %	36000	0.16 %	36000.00 00	3408	0.0830 %	3408
Koi Computers	1	0.2000 %	37420	0.17 %	37420.00 00	6720	0.1637 %	6720
Lenovo	1	0.2000 %	102800	0.45 %	102800.0 000	12216	0.2976 %	12216
Linux Networx	1	0.2000 %	40610	0.18 %	40610.00 00	4416	0.1076 %	4416
LUFAC Computacion SA de CV	1	0.2000 %	18480	0.08 %	18480.00 00	2120	0.0516 %	2120
Megware	1	0.2000 %	19390	0.09 %	19390.00 00	1856	0.0452 %	1856
NEC	2	0.4000 %	173190	0.77 %	86595.00 00	6656	0.1622 %	3328
NEC/Sun	1	0.2000 %	87010	0.38 %	87010.00 00	31024	0.7558 %	31024
Pyramid Computer	1	0.2000 %	32800	0.15 %	32800.00 00	5420	0.1320 %	5420
Raytheon-Aspen Systems/Appro	1	0.2000 %	26730	0.12 %	26730.00 00	3440	0.0838 %	3440
Self-made	2	0.4000 %	41650	0.18 %	20825.00 00	11952	0.2912 %	5976
SGI	20	4.0000 %	1504108	6.65 %	75205.40 00	167328	4.0765 %	8366
SKIF/T-Platforms	1	0.2000 %	47170	0.21 %	47170.00 00	5000	0.1218 %	5000
Sun Microsystems	5	1.0000 %	549410	2.43 %	109882.0 000	80248	1.9550 %	16049
UNICORNER/Fujitsu- Siemens	1	0.2000 %	18810	0.08 %	18810.00 00	2048	0.0499 %	2048
<b>All</b>	500	100%	22608000	100%		4104733	100%	

Producer Region

Producer Region	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Central America	1	0.2000 %	18480	0.08 %	18480.0000	2120	0.0516 %	2120
Eastern Asia	7	1.4000 %	683234	3.02 %	97604.8571	97000	2.3631 %	13857
Eastern Europe	2	0.4000 %	85340	0.38 %	42670.0000	10336	0.2518 %	5168
Global	2	0.4000 %	41650	0.18 %	20825.0000	11952	0.2912 %	5976
North America	478	95.6000 %	21169447	93.64 %	44287.5460	3913185	95.3335 %	8186
Northern Europe	1	0.2000 %	28775	0.13 %	28775.0000	3360	0.0819 %	3360
Western Europe	9	1.8000 %	581070	2.57 %	64563.3333	66780	1.6269 %	7420
<b>All</b>	<b>500</b>	<b>100%</b>	<b>22608000</b>	<b>100%</b>		<b>4104733</b>	<b>100%</b>	

### Site Segments

Site Segments	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Academic	80	16.0000 %	4259411	18.84 %	53242.6375	705058	17.1767 %	8813
Classified	3	0.6000 %	71669	0.32 %	23889.6667	14084	0.3431 %	4694
Government	7	1.4000 %	227688	1.01 %	32526.8571	37208	0.9065 %	5315
Industry	313	62.6000 %	7701426	34.07 %	24605.1949	1371952	33.4237 %	4383
Research	89	17.8000 %	10045871	44.44 %	112874.9551	1929551	47.0080 %	21680
Vendor	8	1.6000 %	301932	1.34 %	37741.5000	46880	1.1421 %	5860
<b>All</b>	500	100%	22608000	100%		4104733	100%	

### Application Area

Application Area	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Aerospace	2	0.4000 %	149590	0.66 %	74795.0000	16160	0.3937 %	8080
Automotive	4	0.8000 %	104715	0.46 %	26178.7500	13136	0.3200 %	3284
Benchmarking	6	1.2000 %	221080	0.98 %	36846.6667	38528	0.9386 %	6421
Biology	1	0.2000 %	18665	0.08 %	18665.0000	8192	0.1996 %	8192
Consulting	1	0.2000 %	43001	0.19 %	43001.0000	6768	0.1649 %	6768
Database	5	1.0000 %	93940	0.42 %	18788.0000	15072	0.3672 %	3014
Defense	5	1.0000 %	234689	1.04 %	46937.8000	42356	1.0319 %	8471
Digital Media	1	0.2000 %	21906	0.10 %	21906.0000	4096	0.0998 %	4096
Energy	11	2.2000 %	228817	1.01 %	20801.5455	46084	1.1227 %	4189
Entertainment	3	0.6000 %	96474	0.43 %	32158.0000	15088	0.3676 %	5029
Finance	46	9.2000 %	994765	4.40 %	21625.3261	200676	4.8889 %	4362
Gaming	4	0.8000 %	77116	0.34 %	19279.0000	15248	0.3715 %	3812
Geophysics	43	8.6000 %	983640	4.35 %	22875.3488	169916	4.1395 %	3951
Hardware	3	0.6000 %	83585	0.37 %	27861.6667	11520	0.2807 %	3840
Information Processing Service	18	3.6000 %	593450	2.62 %	32969.4444	121552	2.9613 %	6752

Application Area	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Information Service	33	6.6000 %	844151	3.73 %	25580.33 33	135544	3.3021 %	4107
Life Science	2	0.4000 %	114218	0.51 %	57109.00 00	21716	0.5290 %	10858
Logistic Services	31	6.2000 %	793962	3.51 %	25611.67 74	120060	2.9249 %	3872
Media	1	0.2000 %	31528	0.14 %	31528.00 00	5936	0.1446 %	5936
Medicine	3	0.6000 %	141706	0.63 %	47235.33 33	20160	0.4911 %	6720
Not Specified	105	21.0000 %	8432005	37.30 %	80304.80 95	1405101	34.2312 %	13381
Research	71	14.2000 %	5596976	24.76 %	78830.64 79	1238472	30.1718 %	17443
Retail	5	1.0000 %	103329	0.46 %	20665.80 00	21800	0.5311 %	4360
Semiconductor	29	5.8000 %	633121	2.80 %	21831.75 86	109472	2.6670 %	3774
Service	13	2.6000 %	292148	1.29 %	22472.92 31	51172	1.2467 %	3936
Software	20	4.0000 %	510037	2.26 %	25501.85 00	98640	2.4031 %	4932
Telecomm	8	1.6000 %	171849	0.76 %	21481.12 50	31872	0.7765 %	3984
Weather and Climate Research	9	1.8000 %	463123	2.05 %	51458.11 11	38020	0.9262 %	4224
Weather Forecasting	5	1.0000 %	211836	0.94 %	42367.20 00	15984	0.3894 %	3196
WWW	12	2.4000 %	322577	1.43 %	26881.41 67	66392	1.6174 %	5532
<b>All</b>	500	100%	22608000	100%		4104733	100%	

Interconnect

Interconnect			Rmax			Cores		
	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Fat Tree Network	1	0.2000 %	122400	0.54 %	122400.0000	1280	0.0312 %	1280
Federation	4	0.8000 %	137446	0.61 %	34361.5000	21824	0.5317 %	5456
Gigabit Ethernet	282	56.4000 %	6628836	29.32 %	23506.5106	1249844	30.4489 %	4432
Infiniband DDR 4x	12	2.4000 %	514332	2.28 %	42861.0000	62552	1.5239 %	5212
Infiniband	102	20.4000 %	6521286	28.85 %	63934.1765	733016	17.8578 %	7186
Infiniband DDR	32	6.4000 %	1540426	6.81 %	48138.3125	213608	5.2039 %	6675
Infiniband SDR	2	0.4000 %	97250	0.43 %	48625.0000	13760	0.3352 %	6880
InfiniPath	3	0.6000 %	54720	0.24 %	18240.0000	6380	0.1554 %	2126
Myrinet	5	1.0000 %	145371	0.64 %	29074.2000	26232	0.6391 %	5246
Myrinet 10G	5	1.0000 %	215084	0.95 %	43016.8000	29692	0.7234 %	5938
NUMAlink	2	0.4000 %	107961	0.48 %	53980.5000	18944	0.4615 %	9472
Numalink/Infiniband	1	0.2000 %	66567	0.29 %	66567.0000	13824	0.3368 %	13824
Proprietary	26	5.2000 %	3264681	14.44 %	125564.6538	1241088	30.2355 %	47734
Quadrics	3	0.6000 %	102280	0.45 %	34093.3333	16944	0.4128 %	5648
XT3 Internal Interconnect	4	0.8000 %	327977	1.45 %	81994.2500	65540	1.5967 %	16385

Interconnect	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
XT4 Internal Interconnect	16	3.2000 %	2761378	12.21 %	172586.1 250	390205	9.5062 %	24387
<b>All</b>	500	100%	22608000	100%		4104733	100%	

### Interconnect Family

Interconnect Family	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Cray Interconnect	4	0.8000 %	327977	1.45 %	81994.2500	65540	1.5967 %	16385
Fat Tree	1	0.2000 %	122400	0.54 %	122400.0000	1280	0.0312 %	1280
Gigabit Ethernet	282	56.4000 %	6628836	29.32 %	23506.5106	1249844	30.4489 %	4432
Infiniband	151	30.2000 %	8728014	38.61 %	57801.4172	1029316	25.0763 %	6816
Mixed	1	0.2000 %	66567	0.29 %	66567.0000	13824	0.3368 %	13824
Myrinet	10	2.0000 %	360455	1.59 %	36045.5000	55924	1.3624 %	5592
NUMalink	2	0.4000 %	107961	0.48 %	53980.5000	18944	0.4615 %	9472
Proprietary	42	8.4000 %	6026059	26.65 %	143477.5952	1631293	39.7418 %	38840
Quadrics	3	0.6000 %	102280	0.45 %	34093.3333	16944	0.4128 %	5648
SP Switch	4	0.8000 %	137446	0.61 %	34361.5000	21824	0.5317 %	5456
<b>All</b>	<b>500</b>	<b>100%</b>	<b>22608000</b>	<b>100%</b>		<b>4104733</b>	<b>100%</b>	

### System Families

System Families	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
ACTION Cluster	1	0.2000 %	38170	0.17 %	38170.0000	5336	0.1300 %	5336
Appro XtremeServer	6	1.2000 %	393320	1.74 %	65553.3333	62880	1.5319 %	10480
Atipa Cluster	2	0.4000 %	35080	0.16 %	17540.0000	4180	0.1018 %	2090
Bull Cluster	3	0.6000 %	386110	1.71 %	128703.3333	36928	0.8996 %	12309
Bull SMP Cluster	2	0.4000 %	94970	0.42 %	47485.0000	17648	0.4299 %	8824
Cray XT	20	4.0000 %	3089355	13.66 %	154467.7500	455745	11.1029 %	22787
Dalco Cluster	1	0.2000 %	28990	0.13 %	28990.0000	2880	0.0702 %	2880
Dawning Cluster	1	0.2000 %	180600	0.80 %	180600.0000	30720	0.7484 %	30720
Dell Cloud Computing (DCS)	1	0.2000 %	39580	0.18 %	39580.0000	4608	0.1123 %	4608
Dell PowerEdge Cluster	15	3.0000 %	490170	2.17 %	32678.0000	72424	1.7644 %	4828
Dell/Sun Cluster	2	0.4000 %	97020	0.43 %	48510.0000	13224	0.3222 %	6612
Fujitsu Cluster	3	0.6000 %	249000	1.10 %	83000.0000	26944	0.6564 %	8981
Fujitsu Siemens Cluster	1	0.2000 %	18810	0.08 %	18810.0000	2048	0.0499 %	2048
Hitachi Cluster	1	0.2000 %	82984	0.37 %	82984.0000	12288	0.2994 %	12288
Hitachi SR16000	1	0.2000 %	56650	0.25 %	56650.0000	4096	0.0998 %	4096

System Families	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
HP Cluster Platform 3000	4	0.8000 %	122636	0.54 %	30659.00 00	17144	0.4177 %	4286
HP Cluster Platform 3000BL	199	39.8000 %	5261053	23.27 %	26437.45 23	847880	20.6562 %	4260
HP Cluster Platform 4000	1	0.2000 %	97071	0.43 %	97071.00 00	18176	0.4428 %	18176
HP Cluster Platform 4000BL	7	1.4000 %	177164	0.78 %	25309.14 29	39652	0.9660 %	5664
HP Cluster Platform 6000	1	0.2000 %	20450	0.09 %	20450.00 00	4096	0.0998 %	4096
IBM BlueGene	26	5.2000 %	3264681	14.44 %	125564.6 538	1241088	30.2355 %	47734
IBM Cluster	142	28.4000 %	4427956	19.59 %	31182.78 87	745152	18.1535 %	5247
IBM pSeries	21	4.2000 %	1239408	5.48 %	59019.42 86	97792	2.3824 %	4656
Intel Cluster	1	0.2000 %	36000	0.16 %	36000.00 00	3408	0.0830 %	3408
KOI Cluster	1	0.2000 %	37420	0.17 %	37420.00 00	6720	0.1637 %	6720
Lenovo Cluster	1	0.2000 %	102800	0.45 %	102800.0 000	12216	0.2976 %	12216
Linux Networx Evolocity	1	0.2000 %	40610	0.18 %	40610.00 00	4416	0.1076 %	4416
Lufac Cluster	1	0.2000 %	18480	0.08 %	18480.00 00	2120	0.0516 %	2120
Megware Cluster	1	0.2000 %	19390	0.09 %	19390.00 00	1856	0.0452 %	1856
NEC Cluster	1	0.2000 %	50790	0.22 %	50790.00 00	5376	0.1310 %	5376
NEC Vector	1	0.2000 %	122400	0.54 %	122400.0 000	1280	0.0312 %	1280
NOW - Intel	1	0.2000 %	26730	0.12 %	26730.00 00	3440	0.0838 %	3440

System Families	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
NOW - Intel IA32	1	0.2000 %	19690	0.09 %	19690.00 00	3760	0.0916 %	3760
NOW - mixed processors	2	0.4000 %	39070	0.17 %	19535.00 00	14216	0.3463 %	7108
Pyramid Cluster	1	0.2000 %	32800	0.15 %	32800.00 00	5420	0.1320 %	5420
SGI Altix	19	3.8000 %	1482508	6.56 %	78026.73 68	164864	4.0164 %	8677
SGI Cluster	1	0.2000 %	21600	0.10 %	21600.00 00	2464	0.0600 %	2464
Sun Blade System	4	0.8000 %	532300	2.35 %	133075.0 000	74224	1.8083 %	18556
Sun Fire - Cluster	1	0.2000 %	87010	0.38 %	87010.00 00	31024	0.7558 %	31024
T-Platforms Cluster	1	0.2000 %	47170	0.21 %	47170.00 00	5000	0.1218 %	5000
<b>All</b>	500	100%	22608000	100%		4104733	100%	

### Cores Per System

Cores Per System	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
128k-	5	1.0000 %	3237011	14.32 %	647402.2000	969352	23.6155 %	193870
64k-128k	2	0.4000 %	1568300	6.94 %	784150.0000	195600	4.7652 %	97800
32k-64k	8	1.6000 %	1865340	8.25 %	233167.5000	375346	9.1442 %	46918
16k-32k	12	2.4000 %	1490651	6.59 %	124220.9167	287588	7.0063 %	23965
8k-16k	37	7.4000 %	2837722	12.55 %	76695.1892	416001	10.1347 %	11243
4k-8k	187	37.4000 %	6060126	26.81 %	32407.0909	1044518	25.4467 %	5585
2049-4096	228	45.6000 %	5052153	22.35 %	22158.5658	777160	18.9333 %	3408
1025-2048	21	4.2000 %	496693	2.20 %	23652.0476	39168	0.9542 %	1865
<b>All</b>	<b>500</b>	<b>100%</b>	<b>22608000</b>	<b>100%</b>		<b>4104733</b>	<b>100%</b>	

## Processors

Processors	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Xeon E54xx (Harpertown)	200	40.0000 %	5439987	24.06 %	27199.93 50	831596	20.2594 %	4157
Xeon L54xx (Harpertown)	60	12.0000 %	1616629	7.15 %	26943.81 67	288112	7.0190 %	4801
Xeon 51xx (Woodcrest)	49	9.8000 %	1044529	4.62 %	21316.91 84	181760	4.4281 %	3709
Xeon 53xx (Clovertown)	40	8.0000 %	1311462	5.80 %	32786.55 00	214288	5.2205 %	5357
Opteron Quad Core	28	5.6000 %	4048742	17.91 %	144597.9 286	589809	14.3690 %	21064
Xeon X55xx (Gainestown)	22	4.4000 %	1211317	5.36 %	55059.86 36	131224	3.1969 %	5964
POWER6	18	3.6000 %	1158612	5.12 %	64367.33 33	80064	1.9505 %	4448
PowerPC 450	14	2.8000 %	2363228	10.45 %	168802.0 000	839680	20.4564 %	59977
Opteron Dual Core	13	2.6000 %	594902	2.63 %	45761.69 23	147624	3.5964 %	11355
PowerPC 440	12	2.4000 %	901453	3.99 %	75121.08 33	401408	9.7792 %	33450
Xeon E55xx (Gainestown)	11	2.2000 %	472624	2.09 %	42965.81 82	82356	2.0064 %	7486
PowerXCell 8i	4	0.8000 %	1250070	5.53 %	312517.5 000	146016	3.5573 %	36504
Itanium2 Montecito Dual Core	4	0.8000 %	218057	0.96 %	54514.25 00	41200	1.0037 %	10300
Xeon 73xx (Tigerton)	3	0.6000 %	74108	0.33 %	24702.66 67	11664	0.2842 %	3888
Xeon 52xx (Wolfdale)	3	0.6000 %	59788	0.26 %	19929.33 33	9632	0.2347 %	3210

Processors	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
PowerPC 970	3	0.6000 %	105671	0.47 %	35223.66 67	16112	0.3925 %	5370
Xeon X54xx (Harpertown)	3	0.6000 %	119660	0.53 %	39886.66 67	12656	0.3083 %	4218
POWER5+	2	0.4000 %	41616	0.18 %	20808.00 00	6544	0.1594 %	3272
POWER5	2	0.4000 %	95830	0.42 %	47915.00 00	15280	0.3723 %	7640
Opteron Six Core	2	0.4000 %	67060	0.30 %	33530.00 00	8448	0.2058 %	4224
Xeon 32xx (Kentsfield)	1	0.2000 %	32800	0.15 %	32800.00 00	5420	0.1320 %	5420
SPARC64 VII	1	0.2000 %	110600	0.49 %	110600.0 000	12032	0.2931 %	12032
NEC	1	0.2000 %	122400	0.54 %	122400.0 000	1280	0.0312 %	1280
Xeon EM64T	1	0.2000 %	53000	0.23 %	53000.00 00	9024	0.2198 %	9024
Itanium 2 Dual Core	1	0.2000 %	51441	0.23 %	51441.00 00	9216	0.2245 %	9216
Itanium2 Fanwood	1	0.2000 %	20450	0.09 %	20450.00 00	4096	0.0998 %	4096
GRAPE-DR processor	1	0.2000 %	21960	0.10 %	21960.00 00	8192	0.1996 %	8192
<b>All</b>	<b>500</b>	<b>100%</b>	<b>22608000</b>	<b>100%</b>		<b>4104733</b>	<b>100%</b>	

### Processor Families

Processor Families	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Intel EM64T	393	78.6000 %	11435904	50.58 %	29098.99 24	1777732	43.3093 %	4523
Power	55	11.0000 %	5916481	26.17 %	107572.3 818	1505104	36.6675 %	27365
AMD x86_64	43	8.6000 %	4710704	20.84 %	109551.2 558	745881	18.1712 %	17346
Intel IA-64	6	1.2000 %	289948	1.28 %	48324.66 67	54512	1.3280 %	9085
NEC	1	0.2000 %	122400	0.54 %	122400.0 000	1280	0.0312 %	1280
Others	1	0.2000 %	21960	0.10 %	21960.00 00	8192	0.1996 %	8192
Sparc	1	0.2000 %	110600	0.49 %	110600.0 000	12032	0.2931 %	12032
<b>All</b>	<b>500</b>	<b>100%</b>	<b>22608000</b>	<b>100%</b>		<b>4104733</b>	<b>100%</b>	

### Processor Architecutre

Processor Architecutre	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
N/A	1	0.2000 %	21960	0.10 %	21960.0000	8192	0.1996 %	8192
Scalar	498	99.6000 %	22463636	99.36 %	45107.7028	4095261	99.7692 %	8223
Vector	1	0.2000 %	122400	0.54 %	122400.0000	1280	0.0312 %	1280
<b>All</b>	500	100%	22608000	100%		4104733	100%	

### Installation Year

Installation Year	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
2005	4	0.8000 %	156070	0.69 %	39017.5000	69632	1.6964 %	17408
2006	12	2.4000 %	469949	2.08 %	39162.4167	100824	2.4563 %	8402
2007	34	6.8000 %	2190262	9.69 %	64419.4706	646556	15.7515 %	19016
2008	194	38.8000 %	10414973	46.07 %	53685.4278	1537785	37.4637 %	7926
2009	256	51.2000 %	9376742	41.48 %	36627.8984	1749936	42.6322 %	6835
<b>All</b>	500	100%	22608000	100%		4104733	100%	

Vendors/Customer Segments (Systems)

	Academic	Classified	Government	Industry	Research	Vendor	Total
ACTION	1	-	-	-	-	-	1
Appro International	1	-	-	-	5	-	6
Atipa Technology	-	-	-	-	2	-	2
Bull SA	1	-	-	-	4	-	5
ClusterVision/Dell	2	-	-	-	-	-	2
ClusterVision/IBM	1	-	-	-	-	-	1
Cray Inc.	7	1	-	-	9	3	20
DALCO AG Switzerland	-	-	-	1	-	-	1
Dawning	-	-	-	-	1	-	1
Dell	11	-	-	1	2	-	14
Dell/Sun	2	-	-	-	-	-	2
Fujitsu	1	-	-	-	2	-	3
Hewlett-Packard	11	1	4	191	5	-	212
Hitachi	1	-	-	-	1	-	2
IBM	22	1	3	117	41	4	188
Intel	-	-	-	1	-	-	1
Koi Computers	-	-	-	-	1	-	1
Lenovo	1	-	-	-	-	-	1
Linux Networx	-	-	-	-	1	-	1
LUFAC Computacion SA de CV	1	-	-	-	-	-	1
Megware	-	-	-	-	1	-	1
NEC	-	-	-	1	1	-	2
NEC/Sun	1	-	-	-	-	-	1
Pyramid Computer	-	-	-	-	1	-	1
Raytheon-Aspen Systems/Appro	-	-	-	-	1	-	1
Self-made	1	-	-	-	1	-	2
SGI	8	-	-	1	10	1	20
SKIF/T-Platforms	1	-	-	-	-	-	1
Sun Microsystems	5	-	-	-	-	-	5

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	<b>Academic</b>	<b>Classified</b>	<b>Government</b>	<b>Industry</b>	<b>Research</b>	<b>Vendor</b>	<b>Total</b>
UNICORNER/Fujitsu-Siemens	1	-	-	-	-	-	1
<b>Total</b>	80	3	7	313	89	8	500

Vendors/Customer Segments (Performance in GFlops)

	Academic	Classified	Government	Industry	Research	Vendor	Total
ACTION	38170	-	-	-	-	-	38170
Appro International	77280	-	-	-	316040	-	393320
Atipa Technology	-	-	-	-	35080	-	35080
Bull SA	20120	-	-	-	460960	-	481080
ClusterVision/Dell	37200	-	-	-	-	-	37200
ClusterVision/IBM	28775	-	-	-	-	-	28775
Cray Inc.	809416	33929	-	-	2111190	134820	3089355
DALCO AG Switzerland	-	-	-	28990	-	-	28990
Dawning	-	-	-	-	180600	-	180600
Dell	357580	-	-	39580	95390	-	492550
Dell/Sun	97020	-	-	-	-	-	97020
Fujitsu	50510	-	-	-	198490	-	249000
Hewlett-Packard	379242	17129	173340	4911897	196765	-	5678373
Hitachi	82984	-	-	-	56650	-	139634
IBM	993124	20610	54348	2528069	5159367	147752	8903270
Intel	-	-	-	36000	-	-	36000
Koi Computers	-	-	-	-	37420	-	37420
Lenovo	102800	-	-	-	-	-	102800
Linux Networx	-	-	-	-	40610	-	40610
LUFAC Computacion SA de CV	18480	-	-	-	-	-	18480
Megware	-	-	-	-	19390	-	19390
NEC	-	-	-	50790	122400	-	173190
NEC/Sun	87010	-	-	-	-	-	87010
Pyramid Computer	-	-	-	-	32800	-	32800
Raytheon-Aspen Systems/Appro	-	-	-	-	26730	-	26730
Self-made	21960	-	-	-	19690	-	41650
SGI	442350	-	-	106100	936298	19360	1504108
SKIF/T-Platforms	47170	-	-	-	-	-	47170
Sun Microsystems	549410	-	-	-	-	-	549410

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	<b>Academic</b>	<b>Classified</b>	<b>Government</b>	<b>Industry</b>	<b>Research</b>	<b>Vendor</b>	<b>Total</b>
UNICORNER/Fujitsu-Siemens	18810	-	-	-	-	-	18810
<b>Total</b>	4259411	71668	227688	7701426	10045870	301932	22607995

Continents/Customer Segments (Systems)

	Academic	Classified	Government	Industry	Research	Vendor	Total
Americas	31	1	6	205	49	8	300
Asia	12	-	-	24	13	-	49
Europe	37	2	1	78	27	-	145
Oceania	-	-	-	6	-	-	6
<b>Total</b>	80	3	7	313	89	8	500

Continents/Customer Segments (Performance in GFlops)

	<b>Academic</b>	<b>Classified</b>	<b>Government</b>	<b>Industry</b>	<b>Research</b>	<b>Vendor</b>	Total
Americas	1926288	20610	124888	4772158	6952154	301932	14098030
Asia	744946	-	-	743667	749986	-	2238599
Europe	1588176	51059	102800	2006056	2343731	-	6091822
Oceania	-	-	-	179545	-	-	179545
<b>Total</b>	4259410	71669	227688	7701426	10045871	301932	22607996

Regions/Customer Segments (Systems)

	Academic	Classified	Government	Industry	Research	Vendor	Total
Australia and New Zealand	-	-	-	6	-	-	6
Central America	1	-	-	-	-	-	1
Eastern Asia	10	-	-	18	10	-	38
Eastern Europe	5	-	-	3	2	-	10
North America	30	1	6	205	49	8	299
Northern Europe	11	1	1	39	6	-	58
South-central Asia	-	-	-	3	3	-	6
South-eastern Asia	1	-	-	1	-	-	2
Southern Europe	5	-	-	5	2	-	12
Western Asia	1	-	-	2	-	-	3
Western Europe	16	1	-	31	17	-	65
<b>Total</b>	80	3	7	313	89	8	500

Regions/Customer Segments (Performance in GFlops)

	Academic	Classified	Government	Industry	Research	Vendor	Total
Australia and New Zealand	-	-	-	179545	-	-	179545
Central America	18480	-	-	-	-	-	18480
Eastern Asia	536974	-	-	487591	673959	-	1698524
Eastern Europe	198605	-	-	137959	48495	-	385059
North America	1907808	20610	124888	4772158	6952154	301932	14079550
Northern Europe	402828	33929	102800	845782	380195	-	1765534
South-central Asia	-	-	-	171258	76027	-	247285
South-eastern Asia	22801	-	-	20442	-	-	43243
Southern Europe	205732	-	-	121575	59101	-	386408
Western Asia	185171	-	-	64375	-	-	249546
Western Europe	781011	17129	-	900740	1855940	-	3554820
<b>Total</b>	4259410	71668	227688	7701425	10045871	301932	22607994

Segment/Application Area (Systems)

	Academic	Classified	Government	Industry	Research	Vendor	Total
Aerospace	-	-	-	-	2	-	2
Automotive	1	-	-	3	-	-	4
Benchmarking	-	-	-	-	-	6	6
Biology	-	-	-	-	1	-	1
Consulting	-	-	-	1	-	-	1
Database	-	-	2	3	-	-	5
Defense	-	1	2	1	1	-	5
Digital Media	-	-	-	1	-	-	1
Energy	-	-	-	7	4	-	11
Entertainment	-	-	-	3	-	-	3
Finance	-	-	1	45	-	-	46
Gaming	-	-	-	4	-	-	4
Geophysics	-	-	-	42	1	-	43
Hardware	-	-	-	3	-	-	3
Information Processing Service	-	-	-	17	1	-	18
Information Service	-	-	-	33	-	-	33
Life Science	-	-	-	1	1	-	2
Logistic Services	-	-	-	31	-	-	31
Media	-	-	-	1	-	-	1
Medicine	2	-	-	1	-	-	3
Not Specified	36	1	2	27	38	1	105
Research	41	1	-	3	26	-	71
Retail	-	-	-	5	-	-	5
Semiconductor	-	-	-	29	-	-	29
Service	-	-	-	13	-	-	13
Software	-	-	-	19	-	1	20
Telecomm	-	-	-	8	-	-	8
Weather and Climate Research	-	-	-	-	9	-	9
Weather Forecasting	-	-	-	-	5	-	5

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	Academic	Classified	Government	Industry	Research	Vendor	Total
WWW	-	-	-	12	-	-	12
<b>Total</b>	80	3	7	313	89	8	500

Segment/Application Area (Performance in GFlops)

	Academic	Classified	Government	Industry	Research	Vendor	Total
Aerospace	-	-	-	-	149590	-	149590
Automotive	27370	-	-	77345	-	-	104715
Benchmarking	-	-	-	-	-	221080	221080
Biology	-	-	-	-	18665	-	18665
Consulting	-	-	-	43001	-	-	43001
Database	-	-	35748	58192	-	-	93940
Defense	-	33929	123250	24670	52840	-	234689
Digital Media	-	-	-	21906	-	-	21906
Energy	-	-	-	156407	72410	-	228817
Entertainment	-	-	-	96474	-	-	96474
Finance	-	-	24668	970097	-	-	994765
Gaming	-	-	-	77116	-	-	77116
Geophysics	-	-	-	966506	17134	-	983640
Hardware	-	-	-	83585	-	-	83585
Information Processing Service	-	-	-	502160	91290	-	593450
Information Service	-	-	-	844151	-	-	844151
Life Science	-	-	-	17147	97071	-	114218
Logistic Services	-	-	-	793962	-	-	793962
Media	-	-	-	31528	-	-	31528
Medicine	118040	-	-	23666	-	-	141706
Not Specified	2205698	17129	44022	772246	5375306	17602	8432003
Research	1908302	20610	-	171458	3496606	-	5596976
Retail	-	-	-	103329	-	-	103329
Semiconductor	-	-	-	633121	-	-	633121
Service	-	-	-	292148	-	-	292148
Software	-	-	-	446787	-	63250	510037
Telecomm	-	-	-	171849	-	-	171849
Weather and Climate Research	-	-	-	-	463123	-	463123
Weather Forecasting	-	-	-	-	211836	-	211836

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	<b>Academic</b>	<b>Classified</b>	<b>Government</b>	<b>Industry</b>	<b>Research</b>	<b>Vendor</b>	Total
<b>WWW</b>	-	-	-	322577	-	-	322577
<b>Total</b>	4259410	71668	227688	7701428	10045871	301932	22607997

Vendors/Architecture Type (Systems)

	Cluster	Constellations	MPP	Total
ACTION	1	-	-	1
Appro International	6	-	-	6
Atipa Technology	2	-	-	2
Bull SA	3	2	-	5
ClusterVision/Dell	2	-	-	2
ClusterVision/IBM	1	-	-	1
Cray Inc.	-	-	20	20
DALCO AG Switzerland	1	-	-	1
Dawning	1	-	-	1
Dell	14	-	-	14
Dell/Sun	2	-	-	2
Fujitsu	3	-	-	3
Hewlett-Packard	212	-	-	212
Hitachi	1	-	1	2
IBM	141	-	47	188
Intel	1	-	-	1
Koi Computers	1	-	-	1
Lenovo	1	-	-	1
Linux Networx	1	-	-	1
LUFAC Computacion SA de CV	1	-	-	1
Megware	1	-	-	1
NEC	1	-	1	2
NEC/Sun	1	-	-	1
Pyramid Computer	1	-	-	1
Raytheon-Aspen Systems/Appro	1	-	-	1
Self-made	2	-	-	2
SGI	1	-	19	20
SKIF/T-Platforms	1	-	-	1
Sun Microsystems	5	-	-	5

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	<b>Cluster</b>	<b>Constellations</b>	<b>MPP</b>	<b>Total</b>
UNICORNER/Fujitsu-Siemens	1	-	-	1
<b>Total</b>	410	2	88	500

Vendors/Architecture Type (Performance in GFlops)

	Cluster	Constellations	MPP	Total
ACTION	38170	-	-	38170
Appro International	393320	-	-	393320
Atipa Technology	35080	-	-	35080
Bull SA	386110	94970	-	481080
ClusterVision/Dell	37200	-	-	37200
ClusterVision/IBM	28775	-	-	28775
Cray Inc.	-	-	3089355	3089355
DALCO AG Switzerland	28990	-	-	28990
Dawning	180600	-	-	180600
Dell	492550	-	-	492550
Dell/Sun	97020	-	-	97020
Fujitsu	249000	-	-	249000
Hewlett-Packard	5678374	-	-	5678374
Hitachi	82984	-	56650	139634
IBM	4399181	-	4504090	8903271
Intel	36000	-	-	36000
Koi Computers	37420	-	-	37420
Lenovo	102800	-	-	102800
Linux Networx	40610	-	-	40610
LUFAC Computacion SA de CV	18480	-	-	18480
Megware	19390	-	-	19390
NEC	50790	-	122400	173190
NEC/Sun	87010	-	-	87010
Pyramid Computer	32800	-	-	32800
Raytheon-Aspen Systems/Appro	26730	-	-	26730
Self-made	41650	-	-	41650
SGI	21600	-	1482508	1504108
SKIF/T-Platforms	47170	-	-	47170
Sun Microsystems	549410	-	-	549410

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	<b>Cluster</b>	<b>Constellations</b>	<b>MPP</b>	Total
UNICORNER/Fujitsu-Siemens	18810	-	-	18810
<b>Total</b>	13258024	94970	9255003	22607997

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Continents/Architecture Type (Systems)

	<b>Cluster</b>	<b>Constellations</b>	<b>MPP</b>	<b>Total</b>
Americas	257	-	43	300
Asia	39	-	10	49
Europe	108	2	35	145
Oceania	6	-	-	6
<b>Total</b>	410	2	88	500

Continents/Architecture Type (Performance in GFlops)

	<b>Cluster</b>	<b>Constellations</b>	<b>MPP</b>	Total
Americas	8261373	-	5836657	14098030
Asia	1714539	-	524060	2238599
Europe	3102566	94970	2894286	6091822
Oceania	179545	-	-	179545
<b>Total</b>	13258023	94970	9255003	22607996

Regions/Architecture Type (Systems)

	Cluster	Constellations	MPP	Total
Australia and New Zealand	6	-	-	6
Central America	1	-	-	1
Eastern Asia	31	-	7	38
Eastern Europe	8	-	2	10
North America	256	-	43	299
Northern Europe	48	-	10	58
South-central Asia	4	-	2	6
South-eastern Asia	2	-	-	2
Southern Europe	11	-	1	12
Western Asia	2	-	1	3
Western Europe	41	2	22	65
<b>Total</b>	410	2	88	500

Regions/Architecture Type (Performance in GFlops)

	Cluster	Constellations	MPP	Total
Australia and New Zealand	179545	-	-	179545
Central America	18480	-	-	18480
Eastern Asia	1397859	-	300665	1698524
Eastern Europe	338229	-	46830	385059
North America	8242893	-	5836657	14079550
Northern Europe	1179662	-	585872	1765534
South-central Asia	209062	-	38223	247285
South-eastern Asia	43243	-	-	43243
Southern Europe	307728	-	78680	386408
Western Asia	64375	-	185171	249546
Western Europe	1276947	94970	2182904	3554821
<b>Total</b>	13258023	94970	9255002	22607995

Vendors/Continents (Systems)

	Americas	Asia	Europe	Oceania	Total
ACTION	-	-	1	-	1
Appro International	5	1	-	-	6
Atipa Technology	2	-	-	-	2
Bull SA	-	-	5	-	5
ClusterVision/Dell	-	-	2	-	2
ClusterVision/IBM	-	-	1	-	1
Cray Inc.	14	1	5	-	20
DALCO AG Switzerland	-	-	1	-	1
Dawning	-	1	-	-	1
Dell	13	1	-	-	14
Dell/Sun	2	-	-	-	2
Fujitsu	-	3	-	-	3
Hewlett-Packard	120	12	74	6	212
Hitachi	-	2	-	-	2
IBM	125	22	41	-	188
Intel	1	-	-	-	1
Koi Computers	1	-	-	-	1
Lenovo	-	1	-	-	1
Linux Networx	1	-	-	-	1
LUFAC Computacion SA de CV	1	-	-	-	1
Megware	-	-	1	-	1
NEC	-	1	1	-	2
NEC/Sun	-	1	-	-	1
Pyramid Computer	-	-	1	-	1
Raytheon-Aspen Systems/Appro	1	-	-	-	1
Self-made	-	1	1	-	2
SGI	10	1	9	-	20
SKIF/T-Platforms	-	-	1	-	1
Sun Microsystems	4	1	-	-	5

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	Americas	Asia	Europe	Oceania	Total
UNICORNER/Fujitsu-Siemens	-	-	1	-	1
<b>Total</b>	300	49	145	6	500

Vendors/Continents (Performance in GFlops)

	Americas	Asia	Europe	Oceania	Total
ACTION	-	-	38170	-	38170
Appro International	316040	77280	-	-	393320
Atipa Technology	35080	-	-	-	35080
Bull SA	-	-	481080	-	481080
ClusterVision/Dell	-	-	37200	-	37200
ClusterVision/IBM	-	-	28775	-	28775
Cray Inc.	2743148	22930	323277	-	3089355
DALCO AG Switzerland	-	-	28990	-	28990
Dawning	-	180600	-	-	180600
Dell	475170	17380	-	-	492550
Dell/Sun	97020	-	-	-	97020
Fujitsu	-	249000	-	-	249000
Hewlett-Packard	3196070	405090	1897669	179545	5678374
Hitachi	-	139634	-	-	139634
IBM	5675640	715615	2512015	-	8903270
Intel	36000	-	-	-	36000
Koi Computers	37420	-	-	-	37420
Lenovo	-	102800	-	-	102800
Linux Networx	40610	-	-	-	40610
LUFAC Computacion SA de CV	18480	-	-	-	18480
Megware	-	-	19390	-	19390
NEC	-	122400	50790	-	173190
NEC/Sun	-	87010	-	-	87010
Pyramid Computer	-	-	32800	-	32800
Raytheon-Aspen Systems/Appro	26730	-	-	-	26730
Self-made	-	21960	19690	-	41650
SGI	905423	42690	555995	-	1504108
SKIF/T-Platforms	-	-	47170	-	47170
Sun Microsystems	495200	54210	-	-	549410

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	Americas	Asia	Europe	Oceania	Total
UNICORNER/Fujitsu-Siemens	-	-	18810	-	18810
<b>Total</b>	14098031	2238599	6091821	179545	22607996

Vendors/Interconnect (Systems)

	Cray Interconnect	Fat Tree	Gigabit Ethernet	Infiniband	Mixed	Myrinet	NUMalink	Proprietary	Quadrics	SP Switch	Total
ACTION	-	-	-	1	-	-	-	-	-	-	1
Appro International	-	-	-	6	-	-	-	-	-	-	6
Atipa Technology	-	-	-	-	-	2	-	-	-	-	2
Bull SA	-	-	-	4	-	-	-	-	1	-	5
ClusterVision/Dell	-	-	-	2	-	-	-	-	-	-	2
ClusterVision/IBM	-	-	-	1	-	-	-	-	-	-	1
Cray Inc.	4	-	-	-	-	-	-	16	-	-	20
DALCO AG Switzerland	-	-	-	-	-	-	-	-	1	-	1
Dawning	-	-	-	1	-	-	-	-	-	-	1
Dell	-	-	1	12	-	1	-	-	-	-	14
Dell/Sun	-	-	-	-	-	2	-	-	-	-	2
Fujitsu	-	-	-	3	-	-	-	-	-	-	3
Hewlett-Packard	-	-	169	42	-	-	-	-	1	-	212
Hitachi	-	-	-	1	-	1	-	-	-	-	2
IBM	-	-	110	45	-	3	-	26	-	4	188
Intel	-	-	-	1	-	-	-	-	-	-	1
Koi Computers	-	-	-	1	-	-	-	-	-	-	1
Lenovo	-	-	-	1	-	-	-	-	-	-	1
Linux Networx	-	-	-	1	-	-	-	-	-	-	1
LUFAC Computacion SA de CV	-	-	-	1	-	-	-	-	-	-	1
Megware	-	-	-	1	-	-	-	-	-	-	1
NEC	-	1	-	1	-	-	-	-	-	-	2
NEC/Sun	-	-	-	1	-	-	-	-	-	-	1
Pyramid Computer	-	-	1	-	-	-	-	-	-	-	1
Raytheon-Aspen Systems/Appro	-	-	-	1	-	-	-	-	-	-	1
Self-made	-	-	1	1	-	-	-	-	-	-	2
SGI	-	-	-	17	1	-	2	-	-	-	20

	<b>Cray Interconnect</b>	<b>Fat Tree</b>	<b>Gigabit Ethernet</b>	<b>Infiniband</b>	<b>Mixed</b>	<b>Myrinet</b>	<b>NUMALink</b>	<b>Proprietary</b>	<b>Quadrics</b>	<b>SP Switch</b>	<b>Total</b>
SKIF/T-Platforms	-	-	-	1	-	-	-	-	-	-	1
Sun Microsystems	-	-	-	4	-	1	-	-	-	-	5
UNICORNER/Fujitsu-Siemens	-	-	-	1	-	-	-	-	-	-	1
<b>Total</b>	4	1	282	151	1	10	2	42	3	4	500

Vendors/Interconnect (Performance in GFlops)

	Cray Interconnect	Fat Tree	Gigabit Ethernet	Infiniband	Mixed	Myrinet	NUMALink	Proprietary	Quadrics	SP Switch	Total
ACTION	-	-	-	38170	-	-	-	-	-	-	38170
Appro International	-	-	-	393320	-	-	-	-	-	-	393320
Atipa Technology	-	-	-	-	-	35080	-	-	-	-	35080
Bull SA	-	-	-	428240	-	-	-	-	52840	-	481080
ClusterVision/Dell	-	-	-	37200	-	-	-	-	-	-	37200
ClusterVision/IBM	-	-	-	28775	-	-	-	-	-	-	28775
Cray Inc.	327977	-	-	-	-	-	-	2761378	-	-	3089355
DALCO AG Switzerland	-	-	-	-	-	-	-	-	28990	-	28990
Dawning	-	-	-	180600	-	-	-	-	-	-	180600
Dell	-	-	26800	443160	-	22590	-	-	-	-	492550
Dell/Sun	-	-	-	-	-	97020	-	-	-	-	97020
Fujitsu	-	-	-	249000	-	-	-	-	-	-	249000
Hewlett-Packard	-	-	4121310	1536613	-	-	-	-	20450	-	5678373
Hitachi	-	-	-	56650	-	82984	-	-	-	-	139634
IBM	-	-	2428236	2967236	-	105671	-	3264681	-	137446	8903270
Intel	-	-	-	36000	-	-	-	-	-	-	36000
Koi Computers	-	-	-	37420	-	-	-	-	-	-	37420
Lenovo	-	-	-	102800	-	-	-	-	-	-	102800
Linux Networx	-	-	-	40610	-	-	-	-	-	-	40610
LUFAC Computacion SA de CV	-	-	-	18480	-	-	-	-	-	-	18480
Megware	-	-	-	19390	-	-	-	-	-	-	19390
NEC	-	122400	-	50790	-	-	-	-	-	-	173190
NEC/Sun	-	-	-	87010	-	-	-	-	-	-	87010
Pyramid Computer	-	-	32800	-	-	-	-	-	-	-	32800
Raytheon-Aspen Systems/Appro	-	-	-	26730	-	-	-	-	-	-	26730
Self-made	-	-	19690	21960	-	-	-	-	-	-	41650
SGI	-	-	-	1329580	66567	-	107961	-	-	-	1504108

	<b>Cray Interconnect</b>	<b>Fat Tree</b>	<b>Gigabit Ethernet</b>	<b>Infiniband</b>	<b>Mixed</b>	<b>Myrinet</b>	<b>NUMalink</b>	<b>Proprietary</b>	<b>Quadrics</b>	<b>SP Switch</b>	<b>Total</b>
SKIF/T-Platforms	-	-	-	47170	-	-	-	-	-	-	47170
Sun Microsystems	-	-	-	532300	-	17110	-	-	-	-	549410
UNICORNER/Fujitsu-Siemens	-	-	-	18810	-	-	-	-	-	-	18810
<b>Total</b>	327977	122400	6628836	8728014	66567	360455	107961	6026059	102280	137446	22607995

Vendors/Proc. Family (Systems)

	AMD x86_64	Intel EM64 T	Intel IA- 64	NEC	Others	Power	Sparc	Total
ACTION	-	1	-	-	-	-	-	1
Appro International	6	-	-	-	-	-	-	6
Atipa Technology	-	2	-	-	-	-	-	2
Bull SA	-	3	2	-	-	-	-	5
ClusterVision/Dell	-	2	-	-	-	-	-	2
ClusterVision/IBM	-	1	-	-	-	-	-	1
Cray Inc.	20	-	-	-	-	-	-	20
DALCO AG Switzerland	-	1	-	-	-	-	-	1
Dawning	1	-	-	-	-	-	-	1
Dell	1	13	-	-	-	-	-	14
Dell/Sun	-	2	-	-	-	-	-	2
Fujitsu	1	1	-	-	-	-	1	3
Hewlett-Packard	8	203	1	-	-	-	-	212
Hitachi	1	-	-	-	-	1	-	2
IBM	1	133	-	-	-	54	-	188
Intel	-	1	-	-	-	-	-	1
Koi Computers	1	-	-	-	-	-	-	1
Lenovo	-	1	-	-	-	-	-	1
Linux Networx	-	1	-	-	-	-	-	1
LUFAC Computacion SA de CV	-	1	-	-	-	-	-	1
Megware	-	1	-	-	-	-	-	1
NEC	-	1	-	1	-	-	-	2
NEC/Sun	1	-	-	-	-	-	-	1
Pyramid Computer	-	1	-	-	-	-	-	1
Raytheon-Aspen Systems/Appro	-	1	-	-	-	-	-	1
Self-made	-	1	-	-	1	-	-	2
SGI	-	17	3	-	-	-	-	20

	AMD x86_64	Intel EM64 T	Intel IA- 64	NEC	Others	Power	Sparc	Total
SKIF/T-Platforms	-	1	-	-	-	-	-	1
Sun Microsystems	2	3	-	-	-	-	-	5
UNICORNER/Fujitsu-Siemens	-	1	-	-	-	-	-	1
<b>Total</b>	43	393	6	1	1	55	1	500

Vendors/Proc. Family (Performance in GFlops)

	AMD x86_64	Intel EM64T	Intel IA-64	NEC	Others	Power	Sparc	Total
ACTION	-	38170	-	-	-	-	-	38170
Appro International	393320	-	-	-	-	-	-	393320
Atipa Technology	-	35080	-	-	-	-	-	35080
Bull SA	-	386110	94970	-	-	-	-	481080
ClusterVision/Dell	-	37200	-	-	-	-	-	37200
ClusterVision/IBM	-	28775	-	-	-	-	-	28775
Cray Inc.	3089355	-	-	-	-	-	-	3089355
DALCO AG Switzerland	-	28990	-	-	-	-	-	28990
Dawning	180600	-	-	-	-	-	-	180600
Dell	21500	471050	-	-	-	-	-	492550
Dell/Sun	-	97020	-	-	-	-	-	97020
Fujitsu	50510	87890	-	-	-	-	110600	249000
Hewlett-Packard	274235	5383689	20450	-	-	-	-	5678374
Hitachi	82984	-	-	-	-	56650	-	139634
IBM	43460	2999980	-	-	-	5859831	-	8903271
Intel	-	36000	-	-	-	-	-	36000
Koi Computers	37420	-	-	-	-	-	-	37420
Lenovo	-	102800	-	-	-	-	-	102800
Linux Networx	-	40610	-	-	-	-	-	40610
LUFAC Computacion SA de CV	-	18480	-	-	-	-	-	18480
Megware	-	19390	-	-	-	-	-	19390
NEC	-	50790	-	122400	-	-	-	173190
NEC/Sun	87010	-	-	-	-	-	-	87010
Pyramid Computer	-	32800	-	-	-	-	-	32800
Raytheon-Aspen Systems/Appro	-	26730	-	-	-	-	-	26730
Self-made	-	19690	-	-	21960	-	-	41650
SGI	-	1329580	174528	-	-	-	-	1504108
SKIF/T-Platforms	-	47170	-	-	-	-	-	47170

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	<b>AMD x86_64</b>	<b>Intel EM64T</b>	<b>Intel IA-64</b>	<b>NEC</b>	<b>Others</b>	<b>Power</b>	<b>Sparc</b>	<b>Total</b>
Sun Microsystems	450310	99100	-	-	-	-	-	549410
UNICORNER/Fujitsu-Siemens	-	18810	-	-	-	-	-	18810
<b>Total</b>	4710704	11435904	289948	122400	21960	5916481	110600	22607997

Segment/Proc. Family (Systems)

	Academic	Classified	Government	Industry	Research	Vendor	Total
AMD x86_64	15	1	-	7	17	3	43
Intel EM64T	49	2	6	304	31	1	393
Intel IA-64	1	-	1	-	4	-	6
NEC	-	-	-	-	1	-	1
Others	1	-	-	-	-	-	1
Power	14	-	-	2	35	4	55
Sparc	-	-	-	-	1	-	1
<b>Total</b>	<b>80</b>	<b>3</b>	<b>7</b>	<b>313</b>	<b>89</b>	<b>8</b>	<b>500</b>

Segment/Proc. Family (Performance in GFlops)

	Academic	Classified	Government	Industry	Research	Vendor	Total
AMD x86_64	1622470	33929	-	177164	2742321	134820	4710704
Intel EM64T	1774928	37739	207238	7412637	1984001	19360	11435903
Intel IA-64	56520	-	20450	-	212978	-	289948
NEC	-	-	-	-	122400	-	122400
Others	21960	-	-	-	-	-	21960
Power	783533	-	-	111625	4873570	147752	5916480
Sparc	-	-	-	-	110600	-	110600
<b>Total</b>	4259411	71668	227688	7701426	10045870	301932	22607995