
TOP500 Report for June 2008

TOP500 Team

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

Countries

Countries	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Australia	1	0.2000 %	9239	0.08 %	9239.0000	1712	0.0709 %	1712
Belgium	2	0.4000 %	21088	0.18 %	10544.0000	3928	0.1627 %	1964
Brazil	1	0.2000 %	16240	0.14 %	16240.0000	2048	0.0848 %	2048
Canada	2	0.4000 %	22864	0.20 %	11432.0000	3360	0.1392 %	1680
China	12	2.4000 %	140311	1.20 %	11692.5833	26344	1.0912 %	2195
Cyprus	1	0.2000 %	9244	0.08 %	9244.0000	1280	0.0530 %	1280
Egypt	1	0.2000 %	9949	0.09 %	9949.0000	2016	0.0835 %	2016
Finland	1	0.2000 %	26796	0.23 %	26796.0000	4032	0.1670 %	4032
France	34	6.8000 %	711650	6.08 %	20930.8824	171500	7.1037 %	5044
Germany	46	9.2000 %	963465	8.23 %	20944.8913	195408	8.0940 %	4248
India	6	1.2000 %	189854	1.62 %	31642.3333	32432	1.3434 %	5405
Ireland	1	0.2000 %	11710	0.10 %	11710.0000	4096	0.1697 %	4096
Italy	6	1.2000 %	99980	0.85 %	16663.3333	25928	1.0740 %	4321
Japan	22	4.4000 %	550865	4.71 %	25039.3182	97856	4.0533 %	4448
Korea, South	1	0.2000 %	16990	0.15 %	16990.0000	3072	0.1272 %	3072

Countries	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Malaysia	2	0.4000 %	21022	0.18 %	10511.00 00	4096	0.1697 %	2048
Netherlands	5	1.0000 %	109568	0.94 %	21913.60 00	29760	1.2327 %	5952
New Zealand	6	1.2000 %	75871	0.65 %	12645.16 67	16128	0.6680 %	2688
Norway	2	0.4000 %	68735	0.59 %	34367.50 00	11180	0.4631 %	5590
Poland	3	0.6000 %	62016	0.53 %	20672.00 00	9112	0.3774 %	3037
Russia	9	1.8000 %	164628	1.41 %	18292.00 00	20672	0.8563 %	2296
Slovenia	1	0.2000 %	35078	0.30 %	35078.00 00	4096	0.1697 %	4096
Spain	7	1.4000 %	133161	1.14 %	19023.00 00	24532	1.0161 %	3504
Sweden	9	1.8000 %	268278	2.29 %	29808.66 67	38596	1.5987 %	4288
Switzerland	6	1.2000 %	80899	0.69 %	13483.16 67	22768	0.9431 %	3794
Taiwan	3	0.6000 %	45677	0.39 %	15225.66 67	5816	0.2409 %	1938
United Kingdom	53	10.6000 %	822305	7.03 %	15515.18 87	148308	6.1431 %	2798
United States	257	51.4000 %	7012534	59.94 %	27286.12 45	1504143	62.3035 %	5852
All	500	100%	1.17E+7	100%		2414219	100%	

Geographical Region

Geographical Region			Rmax			Processors		
	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Australia and New Zealand	7	1.4000 %	85110	0.73 %	12158.57 14	17840	0.7390 %	2548
Eastern Asia	38	7.6000 %	753843	6.44 %	19837.97 37	133088	5.5127 %	3502
Eastern Europe	12	2.4000 %	226643	1.94 %	18886.91 67	29784	1.2337 %	2482
North America	259	51.8000 %	7035398	60.13 %	27163.69 88	1507503	62.4427 %	5820
Northern Africa	1	0.2000 %	9949	0.09 %	9949.000 0	2016	0.0835 %	2016
Northern Europe	66	13.2000 %	1197824	10.24 %	18148.84 85	206212	8.5416 %	3124
South America	1	0.2000 %	16240	0.14 %	16240.00 00	2048	0.0848 %	2048
South-central Asia	6	1.2000 %	189854	1.62 %	31642.33 33	32432	1.3434 %	5405
South-eastern Asia	2	0.4000 %	21022	0.18 %	10511.00 00	4096	0.1697 %	2048
Southern Europe	14	2.8000 %	268219	2.29 %	19158.50 00	54556	2.2598 %	3896
Western Asia	1	0.2000 %	9244	0.08 %	9244.000 0	1280	0.0530 %	1280
Western Europe	93	18.6000 %	1886671	16.13 %	20286.78 49	423364	17.5363 %	4552
All	500	100%	1.17E+7	100%		2414219	100%	

Architectures

Architectures	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Cluster	400	80.0000 %	7438173	63.57 %	18595.4325	1260698	52.2197 %	3151
Constellations	2	0.4000 %	94970	0.81 %	47485.0000	17648	0.7310 %	8824
MPP	98	19.6000 %	4166875	35.61 %	42519.1327	1135873	47.0493 %	11590
All	500	100%	1.17E+7	100%		2414219	100%	

Continent

Continent			Rmax			Processors		
	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Africa	1	0.2000 %	9949	0.09 %	9949.0000	2016	0.0835 %	2016
Americas	260	52.0000 %	7051638	60.27 %	27121.6846	1509551	62.5275 %	5805
Asia	47	9.4000 %	973963	8.32 %	20722.6170	170896	7.0787 %	3636
Europe	185	37.0000 %	3579357	30.59 %	19347.8757	713916	29.5713 %	3859
Oceania	7	1.4000 %	85110	0.73 %	12158.5714	17840	0.7390 %	2548
All	500	100%	1.17E+7	100%		2414219	100%	

Manufacturer

Manufacturer	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
ACTION	2	0.4000 %	49510	0.42 %	24755.00 00	7032	0.2913 %	3516
Appro International	4	0.8000 %	158700	1.36 %	39675.00 00	30736	1.2731 %	7684
Bull SA	3	0.6000 %	114970	0.98 %	38323.33 33	19696	0.8158 %	6565
California Digital Corporation	1	0.2000 %	19940	0.17 %	19940.00 00	4096	0.1697 %	4096
ClusterVision/Dell	2	0.4000 %	37200	0.32 %	18600.00 00	4332	0.1794 %	2166
ClusterVision/IBM	1	0.2000 %	28775	0.25 %	28775.00 00	3360	0.1392 %	3360
Cray Inc.	16	3.2000 %	772969	6.61 %	48310.56 25	146425	6.0651 %	9151
DALCO AG Switzerland	1	0.2000 %	9604	0.08 %	9604.000 0	1024	0.0424 %	1024
Dell	25	5.0000 %	616111	5.27 %	24644.44 00	89110	3.6910 %	3564
Fujitsu	4	0.8000 %	85495	0.73 %	21373.75 00	12288	0.5090 %	3072
Hewlett-Packard	183	36.6000 %	2624726	22.43 %	14342.76 50	448672	18.5846 %	2451
Hitachi	4	0.8000 %	116867	1.00 %	29216.75 00	12576	0.5209 %	3144
Hitachi/Fujitsu	1	0.2000 %	10350	0.09 %	10350.00 00	2560	0.1060 %	2560
IBM	209	41.8000 %	5583662	47.72 %	26716.08 61	1403596	58.1387 %	6715
Intel	1	0.2000 %	21810	0.19 %	21810.00 00	2296	0.0951 %	2296

Manufacturer	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Koi Computers	1	0.2000 %	13460	0.12 %	13460.00 00	3040	0.1259 %	3040
Linux Networx	4	0.8000 %	77340	0.66 %	19335.00 00	12408	0.5140 %	3102
NEC	1	0.2000 %	35860	0.31 %	35860.00 00	5120	0.2121 %	5120
NEC/Sun	1	0.2000 %	67700	0.58 %	67700.00 00	12344	0.5113 %	12344
Pyramid Computer	1	0.2000 %	32800	0.28 %	32800.00 00	5420	0.2245 %	5420
Self-made	3	0.6000 %	48120	0.41 %	16040.00 00	9032	0.3741 %	3010
SGI	22	4.4000 %	689297	5.89 %	31331.68 18	91640	3.7958 %	4165
SKIF/T-Platforms	1	0.2000 %	47170	0.40 %	47170.00 00	5000	0.2071 %	5000
Sun Microsystems	4	0.8000 %	374959	3.20 %	93739.75 00	75144	3.1126 %	18786
T-Platforms	2	0.4000 %	21210	0.18 %	10605.00 00	2456	0.1017 %	1228
TeamHPC of M&A Technology	1	0.2000 %	9963	0.09 %	9963.000 0	1152	0.0477 %	1152
Transtec AG	1	0.2000 %	12640	0.11 %	12640.00 00	1616	0.0669 %	1616
UNICORNER/Fujitsu- Siemens	1	0.2000 %	18810	0.16 %	18810.00 00	2048	0.0848 %	2048
All	500	100%	1.17E+7	100%		2414219	100%	

Producer Region

Producer Region	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Eastern Asia	7	1.4000 %	230777	1.97 %	32968.14 29	32600	1.3503 %	4657
Eastern Europe	5	1.0000 %	117890	1.01 %	23578.00 00	14488	0.6001 %	2897
Global	3	0.6000 %	48120	0.41 %	16040.00 00	9032	0.3741 %	3010
North America	477	95.4000 %	11085632	94.75 %	23240.31 87	2324935	96.3017 %	4874
Northern Europe	1	0.2000 %	28775	0.25 %	28775.00 00	3360	0.1392 %	3360
Western Europe	7	1.4000 %	188824	1.61 %	26974.85 71	29804	1.2345 %	4257
All	500	100%	1.17E+7	100%		2414219	100%	

Site Segments

Site Segments	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Academic	98	19.6000 %	2660953	22.74 %	27152.58 16	496496	20.5655 %	5066
Classified	1	0.2000 %	33929	0.29 %	33929.00 00	7812	0.3236 %	7812
Government	10	2.0000 %	232149	1.98 %	23214.90 00	38008	1.5743 %	3800
Industry	287	57.4000 %	3853886	32.94 %	13428.17 42	725976	30.0708 %	2529
Others	2	0.4000 %	23927	0.20 %	11963.50 00	3952	0.1637 %	1976
Research	91	18.2000 %	4670887	39.92 %	51328.42 86	1097919	45.4772 %	12065
Vendor	11	2.2000 %	224286	1.92 %	20389.63 64	44056	1.8249 %	4005
All	500	100%	1.17E+7	100%		2414219	100%	

Application Area

Application Area	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Aerospace	4	0.8000 %	57479	0.49 %	14369.7500	8984	0.3721 %	2246
Automotive	4	0.8000 %	60141	0.51 %	15035.2500	6632	0.2747 %	1658
Benchmarking	7	1.4000 %	175279	1.50 %	25039.8571	36064	1.4938 %	5152
Biology	1	0.2000 %	18665	0.16 %	18665.0000	8192	0.3393 %	8192
CFD	3	0.6000 %	36484	0.31 %	12161.3333	5696	0.2359 %	1898
Construction	1	0.2000 %	10640	0.09 %	10640.0000	2156	0.0893 %	2156
Database	2	0.4000 %	35748	0.31 %	17874.0000	6448	0.2671 %	3224
Defense	5	1.0000 %	219911	1.88 %	43982.2000	37652	1.5596 %	7530
Digital Media	2	0.4000 %	18429	0.16 %	9214.5000	3912	0.1620 %	1956
Energy	8	1.6000 %	150099	1.28 %	18762.3750	34798	1.4414 %	4349
Environment	1	0.2000 %	35860	0.31 %	35860.0000	5120	0.2121 %	5120
Finance	76	15.2000 %	884329	7.56 %	11635.9079	192104	7.9572 %	2527
Gaming	3	0.6000 %	27861	0.24 %	9287.0000	4728	0.1958 %	1576
Geophysics	49	9.8000 %	662119	5.66 %	13512.6327	125148	5.1838 %	2554
Hardware	19	3.8000 %	253499	2.17 %	13342.0526	40268	1.6680 %	2119

Application Area	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Information Processing Service	9	1.8000 %	194715	1.66 %	21635.00 00	59688	2.4724 %	6632
Information Service	31	6.2000 %	386111	3.30 %	12455.19 35	79360	3.2872 %	2560
Logistic Services	6	1.2000 %	65746	0.56 %	10957.66 67	9992	0.4139 %	1665
Media	8	1.6000 %	102239	0.87 %	12779.87 50	19128	0.7923 %	2391
Medicine	2	0.4000 %	73523	0.63 %	36761.50 00	11584	0.4798 %	5792
Not Specified	134	26.8000 %	5146665	43.99 %	38407.94 78	1003623	41.5713 %	7489
Pharmaceutics	2	0.4000 %	19482	0.17 %	9741.000 0	2752	0.1140 %	1376
Research	53	10.6000 %	2134957	18.25 %	40282.20 75	560694	23.2247 %	10579
Retail	7	1.4000 %	82100	0.70 %	11728.57 14	13088	0.5421 %	1869
Semiconductor	19	3.8000 %	234313	2.00 %	12332.26 32	39796	1.6484 %	2094
Service	25	5.0000 %	311543	2.66 %	12461.72 00	54300	2.2492 %	2172
Software	3	0.6000 %	34585	0.30 %	11528.33 33	5936	0.2459 %	1978
Telecomm	5	1.0000 %	84866	0.73 %	16973.20 00	15016	0.6220 %	3003
Weather and Climate Research	9	1.8000 %	159090	1.36 %	17676.66 67	16808	0.6962 %	1867
WWW	2	0.4000 %	23539	0.20 %	11769.50 00	4552	0.1885 %	2276
All	500	100%	1.17E+7	100%		2414219	100%	

Interconnect

Interconnect	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Crossbar	1	0.2000 %	14955	0.13 %	14955.0000	1014	0.0420 %	1014
Federation	17	3.4000 %	292602	2.50 %	17211.8824	45136	1.8696 %	2655
Gigabit Ethernet	284	56.8000 %	3492979	29.85 %	12299.2218	680012	28.1670 %	2394
GigabitEthernet/10Gig Infiniband	1	0.2000 %	10100	0.09 %	10100.0000	1680	0.0696 %	1680
Hyper crossbar	1	0.2000 %	10350	0.09 %	10350.0000	2560	0.1060 %	2560
Infiniband DDR 4x	5	1.0000 %	139319	1.19 %	27863.8000	19520	0.8085 %	3904
Infiniband	73	14.6000 %	3149000	26.91 %	43136.9863	425024	17.6050 %	5822
Infiniband DDR	36	7.2000 %	896274	7.66 %	24896.5000	126142	5.2250 %	3503
Infiniband SDR	4	0.8000 %	118669	1.01 %	29667.2500	16832	0.6972 %	4208
InfiniPath	3	0.6000 %	46210	0.39 %	15403.3333	5460	0.2262 %	1820
Multi-stage crossbar	1	0.2000 %	35860	0.31 %	35860.0000	5120	0.2121 %	5120
Myrinet	9	1.8000 %	196020	1.68 %	21780.0000	36260	1.5019 %	4028
Myrinet 10G	3	0.6000 %	145034	1.24 %	48344.6667	20480	0.8483 %	6826
NUMAlink	8	1.6000 %	180613	1.54 %	22576.6250	31360	1.2990 %	3920
Numalink/Infiniband	1	0.2000 %	66567	0.57 %	66567.0000	13824	0.5726 %	13824

Interconnect	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Proprietary	33	6.6000 %	2034725	17.39 %	61658.33 33	817152	33.8475 %	24762
Quadrics	5	1.0000 %	112726	0.96 %	22545.20 00	21232	0.8795 %	4246
XT3 Internal Interconnect	8	1.6000 %	375391	3.21 %	46923.87 50	88167	3.6520 %	11020
XT4 Internal Interconnect	7	1.4000 %	382623	3.27 %	54660.42 86	57244	2.3711 %	8177
All	500	100%	1.17E+7	100%		2414219	100%	

Interconnect Family

Interconnect Family	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Cray Interconnect	8	1.6000 %	375391	3.21 %	46923.8750	88167	3.6520 %	11020
Crossbar	3	0.6000 %	61165	0.52 %	20388.3333	8694	0.3601 %	2898
Gigabit Ethernet	284	56.8000 %	3492979	29.85 %	12299.2218	680012	28.1670 %	2394
Infiniband	121	24.2000 %	4349473	37.17 %	35946.0579	592978	24.5619 %	4900
Mixed	2	0.4000 %	76667	0.66 %	38333.5000	15504	0.6422 %	7752
Myrinet	12	2.4000 %	341054	2.91 %	28421.1667	56740	2.3502 %	4728
NUMalink	8	1.6000 %	180613	1.54 %	22576.6250	31360	1.2990 %	3920
Proprietary	40	8.0000 %	2417348	20.66 %	60433.7000	874396	36.2186 %	21859
Quadrics	5	1.0000 %	112726	0.96 %	22545.2000	21232	0.8795 %	4246
SP Switch	17	3.4000 %	292602	2.50 %	17211.8824	45136	1.8696 %	2655
All	500	100%	1.17E+7	100%		2414219	100%	

System Families

			Rmax			Processors		
System Families	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
ACTION Cluster	2	0.4000 %	49510	0.42 %	24755.0000	7032	0.2913 %	3516
Appro HyperBlade	4	0.8000 %	158700	1.36 %	39675.0000	30736	1.2731 %	7684
Bull Cluster	1	0.2000 %	20000	0.17 %	20000.0000	2048	0.0848 %	2048
Bull SMP Cluster	2	0.4000 %	94970	0.81 %	47485.0000	17648	0.7310 %	8824
Cray X1	1	0.2000 %	14955	0.13 %	14955.0000	1014	0.0420 %	1014
Cray XT	15	3.0000 %	758014	6.48 %	50534.2667	145411	6.0231 %	9694
Dalco Cluster	1	0.2000 %	9604	0.08 %	9604.0000	1024	0.0424 %	1024
Dell Cloud Computing (DCS)	1	0.2000 %	39580	0.34 %	39580.0000	4608	0.1909 %	4608
Dell PowerEdge Cluster	26	5.2000 %	613731	5.25 %	23605.0385	88834	3.6796 %	3416
Fujitsu Cluster	2	0.4000 %	59555	0.51 %	29777.5000	8704	0.3605 %	4352
Fujitsu PRIMEQUEST	1	0.2000 %	10850	0.09 %	10850.0000	2048	0.0848 %	2048
Fujitsu Siemens Cluster	1	0.2000 %	18810	0.16 %	18810.0000	2048	0.0848 %	2048
Hitachi Cluster	1	0.2000 %	82984	0.71 %	82984.0000	12288	0.5090 %	12288
Hitachi SR11000	3	0.6000 %	33883	0.29 %	11294.3333	288	0.0119 %	96
Hitachi/Fujitsu Cluster	1	0.2000 %	10350	0.09 %	10350.0000	2560	0.1060 %	2560

System Families	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
HP Cluster Platform 3000	4	0.8000 %	82842	0.71 %	20710.50 00	12496	0.5176 %	3124
HP Cluster Platform 3000BL	166	33.2000 %	2385321	20.39 %	14369.40 36	386632	16.0148 %	2329
HP Cluster Platform 4000	1	0.2000 %	11856	0.10 %	11856.00 00	3000	0.1243 %	3000
HP Cluster Platform 4000BL	9	1.8000 %	100356	0.86 %	11150.66 67	37872	1.5687 %	4208
HP Cluster Platform 6000	3	0.6000 %	44352	0.38 %	14784.00 00	8672	0.3592 %	2890
IBM BlueGene	33	6.6000 %	2034725	17.39 %	61658.33 33	817152	33.8475 %	24762
IBM Cluster	154	30.8000 %	2977571	25.45 %	19334.87 66	514556	21.3136 %	3341
IBM pSeries	23	4.6000 %	600141	5.13 %	26093.08 70	75248	3.1169 %	3271
Intel Cluster	1	0.2000 %	21810	0.19 %	21810.00 00	2296	0.0951 %	2296
KOI Cluster	1	0.2000 %	13460	0.12 %	13460.00 00	3040	0.1259 %	3040
Linux Networx Evolocity	4	0.8000 %	77340	0.66 %	19335.00 00	12408	0.5140 %	3102
NEC Vector	1	0.2000 %	35860	0.31 %	35860.00 00	5120	0.2121 %	5120
NOW - PowerPC	2	0.4000 %	28430	0.24 %	14215.00 00	5272	0.2184 %	2636
NOW - Intel IA32	1	0.2000 %	19690	0.17 %	19690.00 00	3760	0.1557 %	3760
NOW - Intel Itanium	1	0.2000 %	19940	0.17 %	19940.00 00	4096	0.1697 %	4096
NOW - mixed processors	1	0.2000 %	17110	0.15 %	17110.00 00	6024	0.2495 %	6024
PRIMERGY	1	0.2000 %	15090	0.13 %	15090.00 00	1536	0.0636 %	1536

System Families	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Pyramid Cluster	1	0.2000 %	32800	0.28 %	32800.00 00	5420	0.2245 %	5420
SGI Altix	22	4.4000 %	689297	5.89 %	31331.68 18	91640	3.7958 %	4165
Sun Blade System	3	0.6000 %	357849	3.06 %	119283.0 000	69120	2.8630 %	23040
Sun Fire - Cluster	1	0.2000 %	67700	0.58 %	67700.00 00	12344	0.5113 %	12344
T-Platforms Cluster	3	0.6000 %	68380	0.58 %	22793.33 33	7456	0.3088 %	2485
TeamHPC Cluster	1	0.2000 %	9963	0.09 %	9963.000 0	1152	0.0477 %	1152
Transtec Cluster	1	0.2000 %	12640	0.11 %	12640.00 00	1616	0.0669 %	1616
All	500	100%	1.17E+7	100%		2414219	100%	

Processors Per System

Processors Per System	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
128k-	2	0.4000 %	928500	7.94 %	464250.0000	376832	15.6089 %	188416
64k-128k	1	0.2000 %	1026000	8.77 %	1026000.0000	122400	5.0700 %	122400
32k-64k	5	1.0000 %	791951	6.77 %	158390.2000	247296	10.2433 %	49459
16k-32k	6	1.2000 %	595890	5.09 %	99315.0000	158785	6.5771 %	26464
8k-16k	23	4.6000 %	1475806	12.61 %	64165.4783	258216	10.6956 %	11226
4k-8k	54	10.8000 %	1476479	12.62 %	27342.2037	318834	13.2065 %	5904
2049-4096	207	41.4000 %	3169547	27.09 %	15311.8213	600384	24.8687 %	2900
1025-2048	192	38.4000 %	2125128	18.16 %	11068.3750	323738	13.4096 %	1686
513-1024	6	1.2000 %	67531	0.58 %	11255.1667	6006	0.2488 %	1001
257-512	1	0.2000 %	9303	0.08 %	9303.0000	1440	0.0596 %	1440
65-128	3	0.6000 %	33883	0.29 %	11294.3333	288	0.0119 %	96
All	500	100%	1.17E+7	100%		2414219	100%	

Processors

Processors	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Xeon E54xx (Harpertown)	116	23.2000 %	1607900	13.74 %	13861.2069	244736	10.1373 %	2109
Xeon 53xx (Clovertown)	92	18.4000 %	1637513	14.00 %	17799.0543	254138	10.5267 %	2762
Xeon 51xx (Woodcrest)	91	18.2000 %	1282033	10.96 %	14088.2747	220704	9.1418 %	2425
Opteron Dual Core	42	8.4000 %	918371	7.85 %	21865.9762	261899	10.8482 %	6235
Xeon X54xx (Harpertown)	39	7.8000 %	607585	5.19 %	15579.1026	89340	3.7006 %	2290
PowerPC 440	21	4.2000 %	999929	8.55 %	47615.6667	444416	18.4083 %	21162
Opteron Quad Core	13	2.6000 %	949027	8.11 %	73002.0769	155276	6.4317 %	11944
POWER5+	12	2.4000 %	165581	1.42 %	13798.4167	20608	0.8536 %	1717
PowerPC 450	12	2.4000 %	1034796	8.84 %	86233.0000	372736	15.4392 %	31061
POWER6	7	1.4000 %	320877	2.74 %	45839.5714	26432	1.0948 %	3776
Itanium2 Montecito Dual Core	6	1.2000 %	242917	2.08 %	40486.1667	45776	1.8961 %	7629
Xeon L54xx (Harpertown)	6	1.2000 %	133291	1.14 %	22215.1667	19456	0.8059 %	3242
PowerPC 970	6	1.2000 %	148101	1.27 %	24683.5000	23792	0.9855 %	3965
Xeon 52xx (Wolfdale)	4	0.8000 %	48064	0.41 %	12016.0000	7340	0.3040 %	1835
Itanium 2 Dual Core	4	0.8000 %	90178	0.77 %	22544.5000	15872	0.6574 %	3968

Processors	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
POWER5	4	0.8000 %	117825	1.01 %	29456.25 00	19888	0.8238 %	4972
Xeon 73xx (Tigerton)	4	0.8000 %	44045	0.38 %	11011.25 00	8928	0.3698 %	2232
PowerXCell 8i	3	0.6000 %	1046369	8.94 %	348789.6 667	125172	5.1848 %	41724
Itanium 2	3	0.6000 %	43568	0.37 %	14522.66 67	8192	0.3393 %	2730
POWER4+	3	0.6000 %	29741	0.25 %	9913.666 7	8608	0.3566 %	2869
Itanium2 Fanwood	2	0.4000 %	30342	0.26 %	15171.00 00	6144	0.2545 %	3072
Pentium 4 Xeon	2	0.4000 %	20469	0.17 %	10234.50 00	4548	0.1884 %	2274
Cray X1E	1	0.2000 %	14955	0.13 %	14955.00 00	1014	0.0420 %	1014
Xeon EM64T	1	0.2000 %	53000	0.45 %	53000.00 00	9024	0.3738 %	9024
Core 2 Duo (T7xxx)	1	0.2000 %	9045	0.08 %	9045.000 0	2048	0.0848 %	2048
Xeon 32xx (Kentsfield)	1	0.2000 %	32800	0.28 %	32800.00 00	5420	0.2245 %	5420
Xeon 50xx (Dempsy)	1	0.2000 %	15200	0.13 %	15200.00 00	3368	0.1395 %	3368
Itanium2 Montvale	1	0.2000 %	10287	0.09 %	10287.00 00	1664	0.0689 %	1664
Low Voltage Pentium Xeon	1	0.2000 %	10350	0.09 %	10350.00 00	2560	0.1060 %	2560
NEC	1	0.2000 %	35860	0.31 %	35860.00 00	5120	0.2121 %	5120
All	500	100%	1.17E+7	100%		2414219	100%	

Processor Families

Processor Families	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Intel EM64T	356	71.2000 %	5470475	46.76 %	15366.5028	864502	35.8088 %	2428
Power	68	13.6000 %	3863219	33.02 %	56812.0441	1041652	43.1465 %	15318
AMD x86_64	55	11.0000 %	1867398	15.96 %	33952.6909	417175	17.2799 %	7585
Intel IA-64	16	3.2000 %	417292	3.57 %	26080.7500	77648	3.2163 %	4853
Intel IA-32	3	0.6000 %	30819	0.26 %	10273.0000	7108	0.2944 %	2369
Cray	1	0.2000 %	14955	0.13 %	14955.0000	1014	0.0420 %	1014
NEC	1	0.2000 %	35860	0.31 %	35860.0000	5120	0.2121 %	5120
All	500	100%	1.17E+7	100%		2414219	100%	

Processor Architecutre

			Rmax			Processors		
Processor Architecutre	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Scalar	498	99.6000 %	11649203	99.57 %	23391.9739	2408085	99.7459 %	4835
Vector	2	0.4000 %	50815	0.43 %	25407.5000	6134	0.2541 %	3067
All	500	100%	1.17E+7	100%		2414219	100%	

Installation Year

Installation Year	Count	Percent	Rmax			Processors		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
2002	1	0.2000 %	35860	0.31 %	35860.0000	5120	0.2121 %	5120
2003	2	0.4000 %	21633	0.18 %	10816.5000	4548	0.1884 %	2274
2004	3	0.6000 %	42500	0.36 %	14166.6667	9240	0.3827 %	3080
2005	16	3.2000 %	287783	2.46 %	17986.4375	100926	4.1805 %	6307
2006	33	6.6000 %	740579	6.33 %	22441.7879	164016	6.7937 %	4970
2007	129	25.8000 %	3685087	31.50 %	28566.5659	978113	40.5147 %	7582
2008	316	63.2000 %	6886576	58.86 %	21792.9620	1152256	47.7279 %	3646
All	500	100%	1.17E+7	100%		2414219	100%	

Vendors/Customer Segments (Systems)

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
ACTION	2	-	-	-	-	-	-	2
Appro International	1	-	-	-	-	3	-	4
Bull SA	1	-	-	-	-	2	-	3
California Digital Corporation	-	-	-	-	-	1	-	1
ClusterVision/Dell	2	-	-	-	-	-	-	2
ClusterVision/IBM	1	-	-	-	-	-	-	1
Cray Inc.	6	1	-	-	-	7	2	16
DALCO AG Switzerland	-	-	-	1	-	-	-	1
Dell	20	-	-	2	-	3	-	25
Fujitsu	3	-	-	-	-	1	-	4
Hewlett-Packard	7	-	7	162	2	1	4	183
Hitachi	2	-	-	-	-	2	-	4
Hitachi/Fujitsu	1	-	-	-	-	-	-	1
IBM	35	-	3	118	-	49	4	209
Intel	-	-	-	1	-	-	-	1
Koi Computers	-	-	-	-	-	1	-	1
Linux Networx	1	-	-	-	-	3	-	4
NEC	-	-	-	-	-	1	-	1
NEC/Sun	1	-	-	-	-	-	-	1
Pyramid Computer	-	-	-	-	-	1	-	1
Self-made	1	-	-	1	-	1	-	3
SGI	7	-	-	2	-	12	1	22
SKIF/T-Platforms	1	-	-	-	-	-	-	1
Sun Microsystems	2	-	-	-	-	2	-	4
T-Platforms	2	-	-	-	-	-	-	2
TeamHPC of M&A Technology	-	-	-	-	-	1	-	1
Transtec AG	1	-	-	-	-	-	-	1
UNICORNER/Fujitsu-Siemens	1	-	-	-	-	-	-	1
Total	98	1	10	287	2	91	11	500

Vendors/Customer Segments (Performance in GFlops)

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
ACTION	49510	-	-	-	-	-	-	49510
Appro International	76460	-	-	-	-	82240	-	158700
Bull SA	20000	-	-	-	-	94970	-	114970
California Digital Corporation	-	-	-	-	-	19940	-	19940
ClusterVision/Dell	37200	-	-	-	-	-	-	37200
ClusterVision/IBM	28775	-	-	-	-	-	-	28775
Cray Inc.	190881	33929	-	-	-	513193	34966	772969
DALCO AG Switzerland	-	-	-	9604	-	-	-	9604
Dell	459081	-	-	51330	-	105700	-	616111
Fujitsu	76450	-	-	-	-	9045	-	85495
Hewlett-Packard	165807	-	177801	2196627	23927	16584	43980	2624726
Hitachi	98795	-	-	-	-	18072	-	116867
Hitachi/Fujitsu	10350	-	-	-	-	-	-	10350
IBM	749902	-	54348	1442659	-	3210772	125980	5583661
Intel	-	-	-	21810	-	-	-	21810
Koi Computers	-	-	-	-	-	13460	-	13460
Linux Networx	10880	-	-	-	-	66460	-	77340
NEC	-	-	-	-	-	35860	-	35860
NEC/Sun	67700	-	-	-	-	-	-	67700
Pyramid Computer	-	-	-	-	-	32800	-	32800
Self-made	12250	-	-	16180	-	19690	-	48120
SGI	163972	-	-	115676	-	390289	19360	689297
SKIF/T-Platforms	47170	-	-	-	-	-	-	47170
Sun Microsystems	343110	-	-	-	-	31849	-	374959
T-Platforms	21210	-	-	-	-	-	-	21210
TeamHPC of M&A Technology	-	-	-	-	-	9963	-	9963
Transtec AG	12640	-	-	-	-	-	-	12640
UNICORNER/Fujitsu-Siemens	18810	-	-	-	-	-	-	18810
Total	2660953	33929	232149	3853886	23927	4670887	224286	11700017

Continents/Customer Segments (Systems)

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
Africa	-	-	-	-	-	1	-	1
Americas	35	-	9	154	2	52	8	260
Asia	11	-	-	22	-	14	-	47
Europe	51	1	1	105	-	24	3	185
Oceania	1	-	-	6	-	-	-	7
Total	98	1	10	287	2	91	11	500

Continents/Customer Segments (Performance in GFlops)

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
Africa	-	-	-	-	-	9949	-	9949
Americas	1061171	-	129349	1978131	23927	3669760	189301	7051639
Asia	381649	-	-	376627	-	215687	-	973963
Europe	1208700	33929	102800	1423451	-	775491	34985	3579356
Oceania	9433	-	-	75677	-	-	-	85110
Total	2660953	33929	232149	3853886	23927	4670887	224286	11700017

Regions/Customer Segments (Systems)

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
Australia and New Zealand	1	-	-	6	-	-	-	7
Eastern Asia	10	-	-	15	-	13	-	38
Eastern Europe	8	-	-	2	-	2	-	12
North America	34	-	9	154	2	52	8	259
Northern Africa	-	-	-	-	-	1	-	1
Northern Europe	15	1	1	43	-	5	1	66
South America	1	-	-	-	-	-	-	1
South-central Asia	-	-	-	5	-	1	-	6
South-eastern Asia	-	-	-	2	-	-	-	2
Southern Europe	5	-	-	6	-	3	-	14
Western Asia	1	-	-	-	-	-	-	1
Western Europe	23	-	-	54	-	14	2	93
Total	98	1	10	287	2	91	11	500

Regions/Customer Segments (Performance in GFlops)

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
Australia and New Zealand	9433	-	-	75677	-	-	-	85110
Eastern Asia	372405	-	-	184416	-	197022	-	753843
Eastern Europe	180161	-	-	22516	-	23967	-	226644
North America	1044931	-	129349	1978131	23927	3669760	189301	7035399
Northern Africa	-	-	-	-	-	9949	-	9949
Northern Europe	390013	33929	102800	521658	-	136144	13280	1197824
South America	16240	-	-	-	-	-	-	16240
South-central Asia	-	-	-	171189	-	18665	-	189854
South-eastern Asia	-	-	-	21022	-	-	-	21022
Southern Europe	127510	-	-	71907	-	68802	-	268219
Western Asia	9244	-	-	-	-	-	-	9244
Western Europe	511017	-	-	807371	-	546578	21705	1886671
Total	2660954	33929	232149	3853887	23927	4670887	224286	11700019

Segment/Application Area (Systems)

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
Aerospace	1	-	-	2	-	1	-	4
Automotive	-	-	-	4	-	-	-	4
Benchmarking	-	-	-	-	-	-	7	7
Biology	-	-	-	-	-	1	-	1
CFD	1	-	-	2	-	-	-	3
Construction	-	-	-	1	-	-	-	1
Database	-	-	2	-	-	-	-	2
Defense	-	1	3	-	-	1	-	5
Digital Media	-	-	-	2	-	-	-	2
Energy	1	-	-	5	-	2	-	8
Environment	-	-	-	-	-	1	-	1
Finance	-	-	-	76	-	-	-	76
Gaming	-	-	-	3	-	-	-	3
Geophysics	1	-	-	46	-	2	-	49
Hardware	-	-	-	16	-	1	2	19
Information Processing Service	-	-	-	8	-	1	-	9
Information Service	-	-	-	30	-	1	-	31
Logistic Services	-	-	-	6	-	-	-	6
Media	-	-	-	8	-	-	-	8
Medicine	2	-	-	-	-	-	-	2
Not Specified	62	-	3	18	-	50	1	134
Pharmaceutics	-	-	-	2	-	-	-	2
Research	30	-	-	2	-	21	-	53
Retail	-	-	-	7	-	-	-	7
Semiconductor	-	-	-	19	-	-	-	19
Service	-	-	2	21	2	-	-	25
Software	-	-	-	2	-	-	1	3
Telecomm	-	-	-	5	-	-	-	5
Weather and Climate Research	-	-	-	-	-	9	-	9

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
WWW	-	-	-	2	-	-	-	2
Total	98	1	10	287	2	91	11	500

Segment/Application Area (Performance in GFlops)

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
Aerospace	15329	-	-	27291	-	14859	-	57479
Automotive	-	-	-	60141	-	-	-	60141
Benchmarking	-	-	-	-	-	-	175279	175279
Biology	-	-	-	-	-	18665	-	18665
CFD	10700	-	-	25784	-	-	-	36484
Construction	-	-	-	10640	-	-	-	10640
Database	-	-	35748	-	-	-	-	35748
Defense	-	33929	133142	-	-	52840	-	219911
Digital Media	-	-	-	18429	-	-	-	18429
Energy	16700	-	-	96069	-	37330	-	150099
Environment	-	-	-	-	-	35860	-	35860
Finance	-	-	-	884329	-	-	-	884329
Gaming	-	-	-	27861	-	-	-	27861
Geophysics	16240	-	-	621020	-	24859	-	662119
Hardware	-	-	-	220962	-	9588	22949	253499
Information Processing Service	-	-	-	103425	-	91290	-	194715
Information Service	-	-	-	367446	-	18665	-	386111
Logistic Services	-	-	-	65746	-	-	-	65746
Media	-	-	-	102239	-	-	-	102239
Medicine	73523	-	-	-	-	-	-	73523
Not Specified	1783006	-	37164	378438	-	2933109	14948	5146665
Pharmaceutics	-	-	-	19482	-	-	-	19482
Research	745455	-	-	114770	-	1274732	-	2134957
Retail	-	-	-	82100	-	-	-	82100
Semiconductor	-	-	-	234313	-	-	-	234313
Service	-	-	26095	261521	23927	-	-	311543
Software	-	-	-	23475	-	-	11110	34585
Telecomm	-	-	-	84866	-	-	-	84866
Weather and Climate Research	-	-	-	-	-	159090	-	159090

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
WWW	-	-	-	23539	-	-	-	23539
Total	2660953	33929	232149	3853886	23927	4670887	224286	11700017

Vendors/Architecture Type (Systems)

	Cluster	Constellations	MPP	Total
ACTION	2	-	-	2
Appro International	4	-	-	4
Bull SA	1	2	-	3
California Digital Corporation	1	-	-	1
ClusterVision/Dell	2	-	-	2
ClusterVision/IBM	1	-	-	1
Cray Inc.	-	-	16	16
DALCO AG Switzerland	1	-	-	1
Dell	25	-	-	25
Fujitsu	4	-	-	4
Hewlett-Packard	183	-	-	183
Hitachi	1	-	3	4
Hitachi/Fujitsu	1	-	-	1
IBM	153	-	56	209
Intel	1	-	-	1
Koi Computers	1	-	-	1
Linux Networx	4	-	-	4
NEC	-	-	1	1
NEC/Sun	1	-	-	1
Pyramid Computer	1	-	-	1
Self-made	3	-	-	3
SGI	-	-	22	22
SKIF/T-Platforms	1	-	-	1
Sun Microsystems	4	-	-	4
T-Platforms	2	-	-	2
TeamHPC of M&A Technology	1	-	-	1
Transtec AG	1	-	-	1
UNICORNER/Fujitsu-Siemens	1	-	-	1
Total	400	2	98	500

Vendors/Architecture Type (Performance in GFlops)

	Cluster	Constellations	MPP	Total
ACTION	49510	-	-	49510
Appro International	158700	-	-	158700
Bull SA	20000	94970	-	114970
California Digital Corporation	19940	-	-	19940
ClusterVision/Dell	37200	-	-	37200
ClusterVision/IBM	28775	-	-	28775
Cray Inc.	-	-	772969	772969
DALCO AG Switzerland	9604	-	-	9604
Dell	616111	-	-	616111
Fujitsu	85495	-	-	85495
Hewlett-Packard	2624726	-	-	2624726
Hitachi	82984	-	33883	116867
Hitachi/Fujitsu	10350	-	-	10350
IBM	2948796	-	2634866	5583662
Intel	21810	-	-	21810
Koi Computers	13460	-	-	13460
Linux Networx	77340	-	-	77340
NEC	-	-	35860	35860
NEC/Sun	67700	-	-	67700
Pyramid Computer	32800	-	-	32800
Self-made	48120	-	-	48120
SGI	-	-	689297	689297
SKIF/T-Platforms	47170	-	-	47170
Sun Microsystems	374959	-	-	374959
T-Platforms	21210	-	-	21210
TeamHPC of M&A Technology	9963	-	-	9963
Transtec AG	12640	-	-	12640
UNICORNER/Fujitsu-Siemens	18810	-	-	18810
Total	7438173	94970	4166875	11700018

Continents/Architecture Type (Systems)

	Cluster	Constellations	MPP	Total
Africa	1	-	-	1
Americas	210	-	50	260
Asia	34	-	13	47
Europe	149	2	34	185
Oceania	6	-	1	7
Total	400	2	98	500

Continents/Architecture Type (Performance in GFlops)

	Cluster	Constellations	MPP	Total
Africa	9949	-	-	9949
Americas	4392539	-	2659099	7051638
Asia	760670	-	213293	973963
Europe	2199337	94970	1285050	3579357
Oceania	75677	-	9433	85110
Total	7438172	94970	4166875	11700017

Regions/Architecture Type (Systems)

	Cluster	Constellations	MPP	Total
Australia and New Zealand	6	-	1	7
Eastern Asia	26	-	12	38
Eastern Europe	10	-	2	12
North America	209	-	50	259
Northern Africa	1	-	-	1
Northern Europe	55	-	11	66
South America	1	-	-	1
South-central Asia	5	-	1	6
South-eastern Asia	2	-	-	2
Southern Europe	14	-	-	14
Western Asia	1	-	-	1
Western Europe	70	2	21	93
Total	400	2	98	500

Regions/Architecture Type (Performance in GFlops)

	Cluster	Constellations	MPP	Total
Australia and New Zealand	75677	-	9433	85110
Eastern Asia	559215	-	194628	753843
Eastern Europe	202676	-	23967	226643
North America	4376299	-	2659099	7035398
Northern Africa	9949	-	-	9949
Northern Europe	885286	-	312538	1197824
South America	16240	-	-	16240
South-central Asia	171189	-	18665	189854
South-eastern Asia	21022	-	-	21022
Southern Europe	268219	-	-	268219
Western Asia	9244	-	-	9244
Western Europe	843156	94970	948545	1886671
Total	7438172	94970	4166875	11700017

Vendors/Continents (Systems)

	Africa	Americas	Asia	Europe	Oceania	Total
ACTION	-	-	-	2	-	2
Appro International	-	3	1	-	-	4
Bull SA	-	-	-	3	-	3
California Digital Corporation	-	1	-	-	-	1
ClusterVision/Dell	-	-	-	2	-	2
ClusterVision/IBM	-	-	-	1	-	1
Cray Inc.	-	10	1	5	-	16
DALCO AG Switzerland	-	-	-	1	-	1
Dell	-	24	-	1	-	25
Fujitsu	-	-	4	-	-	4
Hewlett-Packard	-	84	13	80	6	183
Hitachi	-	-	4	-	-	4
Hitachi/Fujitsu	-	-	1	-	-	1
IBM	1	116	18	73	1	209
Intel	-	1	-	-	-	1
Koi Computers	-	1	-	-	-	1
Linux Networx	-	3	-	1	-	4
NEC	-	-	1	-	-	1
NEC/Sun	-	-	1	-	-	1
Pyramid Computer	-	-	-	1	-	1
Self-made	-	2	-	1	-	3
SGI	-	12	2	8	-	22
SKIF/T-Platforms	-	-	-	1	-	1
Sun Microsystems	-	2	1	1	-	4
T-Platforms	-	-	-	2	-	2
TeamHPC of M&A Technology	-	1	-	-	-	1
Transtec AG	-	-	-	1	-	1
UNICORNER/Fujitsu-Siemens	-	-	-	1	-	1
Total	1	260	47	185	7	500

Vendors/Continents (Performance in GFlops)

	Africa	Americas	Asia	Europe	Oceania	Total
ACTION	-	-	-	49510	-	49510
Appro International	-	82240	76460	-	-	158700
Bull SA	-	-	-	114970	-	114970
California Digital Corporation	-	19940	-	-	-	19940
ClusterVision/Dell	-	-	-	37200	-	37200
ClusterVision/IBM	-	-	-	28775	-	28775
Cray Inc.	-	583765	22740	166464	-	772969
DALCO AG Switzerland	-	-	-	9604	-	9604
Dell	-	606011	-	10100	-	616111
Fujitsu	-	-	85495	-	-	85495
Hewlett-Packard	-	1124169	282506	1142374	75677	2624726
Hitachi	-	-	116867	-	-	116867
Hitachi/Fujitsu	-	-	10350	-	-	10350
IBM	9949	3752640	232588	1579052	9433	5583662
Intel	-	21810	-	-	-	21810
Koi Computers	-	13460	-	-	-	13460
Linux Networx	-	66460	-	10880	-	77340
NEC	-	-	35860	-	-	35860
NEC/Sun	-	-	67700	-	-	67700
Pyramid Computer	-	-	-	32800	-	32800
Self-made	-	28430	-	19690	-	48120
SGI	-	399641	26407	263249	-	689297
SKIF/T-Platforms	-	-	-	47170	-	47170
Sun Microsystems	-	343110	16990	14859	-	374959
T-Platforms	-	-	-	21210	-	21210
TeamHPC of M&A Technology	-	9963	-	-	-	9963
Transtec AG	-	-	-	12640	-	12640
UNICORNER/Fujitsu-Siemens	-	-	-	18810	-	18810
Total	9949	7051639	973963	3579357	85110	11700018

Vendors/Interconnect (Systems)

	Cray Interconnect	Crossbar	Gigabit Ethernet	Infiniband	Mixed	Myrinet	NUMalink	Proprietary	Quadrics	SP Switch	Total
ACTION	-	-	-	2	-	-	-	-	-	-	2
Appro International	-	-	-	4	-	-	-	-	-	-	4
Bull SA	-	-	-	2	-	-	-	-	1	-	3
California Digital Corporation	-	-	-	-	-	-	-	-	1	-	1
ClusterVision/Dell	-	-	-	2	-	-	-	-	-	-	2
ClusterVision/IBM	-	-	-	1	-	-	-	-	-	-	1
Cray Inc.	8	1	-	-	-	-	-	7	-	-	16
DALCO AG Switzerland	-	-	-	-	-	-	-	-	1	-	1
Dell	-	-	1	19	1	4	-	-	-	-	25
Fujitsu	-	-	1	3	-	-	-	-	-	-	4
Hewlett-Packard	-	-	162	19	-	-	-	-	2	-	183
Hitachi	-	-	-	-	-	1	-	-	-	3	4
Hitachi/Fujitsu	-	1	-	-	-	-	-	-	-	-	1
IBM	-	-	118	40	-	4	-	33	-	14	209
Intel	-	-	-	1	-	-	-	-	-	-	1
Koi Computers	-	-	-	1	-	-	-	-	-	-	1
Linux Networx	-	-	-	3	-	1	-	-	-	-	4
NEC	-	1	-	-	-	-	-	-	-	-	1
NEC/Sun	-	-	-	1	-	-	-	-	-	-	1
Pyramid Computer	-	-	1	-	-	-	-	-	-	-	1
Self-made	-	-	1	1	-	1	-	-	-	-	3
SGI	-	-	-	13	1	-	8	-	-	-	22
SKIF/T-Platforms	-	-	-	1	-	-	-	-	-	-	1
Sun Microsystems	-	-	-	3	-	1	-	-	-	-	4
T-Platforms	-	-	-	2	-	-	-	-	-	-	2
TeamHPC of M&A Technology	-	-	-	1	-	-	-	-	-	-	1
Transtec AG	-	-	-	1	-	-	-	-	-	-	1

	Cray Interconnect	Crossbar	Gigabit Ethernet	Infiniband	Mixed	Myrinet	NUMalink	Proprietary	Quadrics	SP Switch	Total
UNICORNER/Fujitsu-Siemens	-	-	-	1	-	-	-	-	-	-	1
Total	8	3	284	121	2	12	8	40	5	17	500

Vendors/Interconnect (Performance in GFlops)

	Cray Interconnect	Crossbar	Gigabit Ethernet	Infiniband	Mixed	Myrinet	NUMalink	Proprietary	Quadrics	SP Switch	Total
ACTION	-	-	-	49510	-	-	-	-	-	-	49510
Appro International	-	-	-	158700	-	-	-	-	-	-	158700
Bull SA	-	-	-	62130	-	-	-	-	52840	-	114970
California Digital Corporation	-	-	-	-	-	-	-	-	19940	-	19940
ClusterVision/Dell	-	-	-	37200	-	-	-	-	-	-	37200
ClusterVision/IBM	-	-	-	28775	-	-	-	-	-	-	28775
Cray Inc.	375391	14955	-	-	-	-	-	382623	-	-	772969
DALCO AG Switzerland	-	-	-	-	-	-	-	-	9604	-	9604
Dell	-	-	12510	499042	10100	94459	-	-	-	-	616111
Fujitsu	-	-	9045	76450	-	-	-	-	-	-	85495
Hewlett-Packard	-	-	2083699	510686	-	-	-	-	30342	-	2624727
Hitachi	-	-	-	-	-	82984	-	-	-	33883	116867
Hitachi/Fujitsu	-	10350	-	-	-	-	-	-	-	-	10350
IBM	-	-	1335235	1835311	-	119671	-	2034725	-	258719	5583661
Intel	-	-	-	21810	-	-	-	-	-	-	21810
Koi Computers	-	-	-	13460	-	-	-	-	-	-	13460
Linux Networx	-	-	-	66690	-	10650	-	-	-	-	77340
NEC	-	35860	-	-	-	-	-	-	-	-	35860
NEC/Sun	-	-	-	67700	-	-	-	-	-	-	67700
Pyramid Computer	-	-	32800	-	-	-	-	-	-	-	32800
Self-made	-	-	19690	12250	-	16180	-	-	-	-	48120
SGI	-	-	-	442117	66567	-	180613	-	-	-	689297
SKIF/T-Platforms	-	-	-	47170	-	-	-	-	-	-	47170
Sun Microsystems	-	-	-	357849	-	17110	-	-	-	-	374959
T-Platforms	-	-	-	21210	-	-	-	-	-	-	21210
TeamHPC of M&A Technology	-	-	-	9963	-	-	-	-	-	-	9963
Transtec AG	-	-	-	12640	-	-	-	-	-	-	12640

	Cray Interconnect	Crossbar	Gigabit Ethernet	Infiniband	Mixed	Myrinet	NUMalink	Proprietary	Quadrics	SP Switch	Total
UNICORNER/Fujitsu-Siemens	-	-	-	18810	-	-	-	-	-	-	18810
Total	375391	61165	3492979	4349473	76667	341054	180613	2417348	112726	292602	11700018

Vendors/Proc. Family (Systems)

	AMD x86_64	Cray	Intel EM64 T	Intel IA- 32	Intel IA- 64	NEC	Power	Total
ACTION	-	-	2	-	-	-	-	2
Appro International	4	-	-	-	-	-	-	4
Bull SA	-	-	1	-	2	-	-	3
California Digital Corporation	-	-	-	-	1	-	-	1
ClusterVision/Dell	-	-	2	-	-	-	-	2
ClusterVision/IBM	-	-	1	-	-	-	-	1
Cray Inc.	15	1	-	-	-	-	-	16
DALCO AG Switzerland	-	-	1	-	-	-	-	1
Dell	1	-	23	1	-	-	-	25
Fujitsu	1	-	2	-	1	-	-	4
Hewlett-Packard	10	-	170	-	3	-	-	183
Hitachi	1	-	-	-	-	-	3	4
Hitachi/Fujitsu	-	-	-	1	-	-	-	1
IBM	16	-	130	-	-	-	63	209
Intel	-	-	1	-	-	-	-	1
Koi Computers	1	-	-	-	-	-	-	1
Linux Networx	1	-	2	1	-	-	-	4
NEC	-	-	-	-	-	1	-	1
NEC/Sun	1	-	-	-	-	-	-	1
Pyramid Computer	-	-	1	-	-	-	-	1
Self-made	-	-	1	-	-	-	2	3
SGI	-	-	13	-	9	-	-	22
SKIF/T-Platforms	-	-	1	-	-	-	-	1
Sun Microsystems	4	-	-	-	-	-	-	4
T-Platforms	-	-	2	-	-	-	-	2
TeamHPC of M&A Technology	-	-	1	-	-	-	-	1
Transtec AG	-	-	1	-	-	-	-	1

	AMD x86_64	Cray	Intel EM64 T	Intel IA- 32	Intel IA- 64	NEC	Power	Total
UNICORNER/Fujitsu-Siemens	-	-	1	-	-	-	-	1
Total	55	1	356	3	16	1	68	500

Vendors/Proc. Family (Performance in GFlops)

	AMD x86_64	Cray	Intel EM64T	Intel IA-32	Intel IA-64	NEC	Power	Total
ACTION	-	-	49510	-	-	-	-	49510
Appro International	158700	-	-	-	-	-	-	158700
Bull SA	-	-	20000	-	94970	-	-	114970
California Digital Corporation	-	-	-	-	19940	-	-	19940
ClusterVision/Dell	-	-	37200	-	-	-	-	37200
ClusterVision/IBM	-	-	28775	-	-	-	-	28775
Cray Inc.	758014	14955	-	-	-	-	-	772969
DALCO AG Switzerland	-	-	9604	-	-	-	-	9604
Dell	21500	-	584792	9819	-	-	-	616111
Fujitsu	50510	-	24135	-	10850	-	-	85495
Hewlett-Packard	112212	-	2468163	-	44352	-	-	2624727
Hitachi	82984	-	-	-	-	-	33883	116867
Hitachi/Fujitsu	-	-	-	10350	-	-	-	10350
IBM	216479	-	1566277	-	-	-	3800906	5583662
Intel	-	-	21810	-	-	-	-	21810
Koi Computers	13460	-	-	-	-	-	-	13460
Linux Networx	10880	-	55810	10650	-	-	-	77340
NEC	-	-	-	-	-	35860	-	35860
NEC/Sun	67700	-	-	-	-	-	-	67700
Pyramid Computer	-	-	32800	-	-	-	-	32800
Self-made	-	-	19690	-	-	-	28430	48120
SGI	-	-	442117	-	247180	-	-	689297
SKIF/T-Platforms	-	-	47170	-	-	-	-	47170
Sun Microsystems	374959	-	-	-	-	-	-	374959
T-Platforms	-	-	21210	-	-	-	-	21210
TeamHPC of M&A Technology	-	-	9963	-	-	-	-	9963
Transtec AG	-	-	12640	-	-	-	-	12640
UNICORNER/Fujitsu-Siemens	-	-	18810	-	-	-	-	18810

	AMD x86_64	Cray	Intel EM64T	Intel IA-32	Intel IA-64	NEC	Power	Total
Total	1867398	14955	5470476	30819	417292	35860	3863219	11700019

Segment/Proc. Family (Systems)

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
AMD x86_64	17	1	-	18	-	15	4	55
Cray	-	-	-	-	-	1	-	1
Intel EM64T	56	-	8	264	2	23	3	356
Intel IA-32	2	-	-	-	-	1	-	3
Intel IA-64	4	-	2	-	-	10	-	16
NEC	-	-	-	-	-	1	-	1
Power	19	-	-	5	-	40	4	68
Total	98	1	10	287	2	91	11	500

Segment/Proc. Family (Performance in GFlops)

	Academic	Classified	Government	Industry	Others	Research	Vendor	Total
AMD x86_64	888741	33929	-	220733	-	667997	55997	1867397
Cray	-	-	-	-	-	14955	-	14955
Intel EM64T	1144989	-	201807	3481624	23927	575819	42309	5470475
Intel IA-32	20169	-	-	-	-	10650	-	30819
Intel IA-64	93452	-	30342	-	-	293498	-	417292
NEC	-	-	-	-	-	35860	-	35860
Power	513602	-	-	151529	-	3072108	125980	3863219
Total	2660953	33929	232149	3853886	23927	4670887	224286	11700017