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# TOP500 Report for November 2008

TOP500 Team

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

### Countries

Countries	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Australia	1	0.2000 %	21906	0.13 %	21906.00 00	4096	0.1312 %	4096
Belgium	2	0.4000 %	35432	0.21 %	17716.00 00	5552	0.1779 %	2776
Brazil	2	0.4000 %	31779	0.19 %	15889.50 00	5008	0.1604 %	2504
Bulgaria	1	0.2000 %	23415	0.14 %	23415.00 00	8192	0.2624 %	8192
Canada	2	0.4000 %	70479	0.42 %	35239.50 00	6800	0.2178 %	3400
China	15	3.0000 %	520962	3.07 %	34730.80 00	90400	2.8960 %	6026
Denmark	2	0.4000 %	31182	0.18 %	15591.00 00	4096	0.1312 %	2048
Finland	1	0.2000 %	76510	0.45 %	76510.00 00	10816	0.3465 %	10816
France	26	5.2000 %	886782	5.23 %	34107.00 00	184276	5.9033 %	7087
Germany	24	4.8000 %	766608	4.52 %	31942.00 00	164724	5.2769 %	6863
India	8	1.6000 %	259394	1.53 %	32424.25 00	37488	1.2009 %	4686
Ireland	1	0.2000 %	25110	0.15 %	25110.00 00	2560	0.0820 %	2560
Israel	1	0.2000 %	24670	0.15 %	24670.00 00	5096	0.1633 %	5096
Italy	12	2.4000 %	219587	1.29 %	18298.91 67	40368	1.2932 %	3364
Japan	18	3.6000 %	566768	3.34 %	31487.11 11	111864	3.5836 %	6214

Countries	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Korea, South	1	0.2000 %	16990	0.10 %	16990.00 00	3072	0.0984 %	3072
Malaysia	1	0.2000 %	20442	0.12 %	20442.00 00	4096	0.1312 %	4096
Mexico	1	0.2000 %	18480	0.11 %	18480.00 00	2120	0.0679 %	2120
Netherlands	3	0.6000 %	111506	0.66 %	37168.66 67	27904	0.8939 %	9301
New Zealand	4	0.8000 %	109109	0.64 %	27277.25 00	20480	0.6561 %	5120
Norway	2	0.4000 %	72454	0.43 %	36227.00 00	11182	0.3582 %	5591
Poland	6	1.2000 %	116999	0.69 %	19499.83 33	16600	0.5318 %	2766
Russia	8	1.6000 %	222968	1.31 %	27871.00 00	31840	1.0200 %	3980
Slovenia	1	0.2000 %	36753	0.22 %	36753.00 00	4096	0.1312 %	4096
South Africa	1	0.2000 %	23415	0.14 %	23415.00 00	8192	0.2624 %	8192
Spain	6	1.2000 %	153201	0.90 %	25533.50 00	26616	0.8526 %	4436
Sweden	8	1.6000 %	274791	1.62 %	34348.87 50	39084	1.2521 %	4885
Switzerland	4	0.8000 %	81565	0.48 %	20391.25 00	18160	0.5818 %	4540
Taiwan	2	0.4000 %	33592	0.20 %	16796.00 00	4080	0.1307 %	2040
United Kingdom	45	9.0000 %	909217	5.36 %	20204.82 22	150132	4.8095 %	3336
United States	291	58.2000 %	11196536	66.02 %	38476.06 87	2072589	66.3955 %	7122
<b>All</b>	<b>500</b>	<b>100%</b>	<b>16958600</b>	<b>100%</b>		<b>3121579</b>	<b>100%</b>	

Geographical Region

Geographical Region			Rmax			Cores		
	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Australia and New Zealand	5	1.0000 %	131015	0.77 %	26203.0000	24576	0.7873 %	4915
Central America	1	0.2000 %	18480	0.11 %	18480.0000	2120	0.0679 %	2120
Eastern Asia	36	7.2000 %	1138311	6.71 %	31619.7500	209416	6.7087 %	5817
Eastern Europe	15	3.0000 %	363382	2.14 %	24225.4667	56632	1.8142 %	3775
North America	293	58.6000 %	11267015	66.44 %	38453.9761	2079389	66.6134 %	7096
Northern Europe	59	11.8000 %	1389264	8.19 %	23546.8475	217870	6.9795 %	3692
South America	2	0.4000 %	31779	0.19 %	15889.5000	5008	0.1604 %	2504
South-central Asia	8	1.6000 %	259394	1.53 %	32424.2500	37488	1.2009 %	4686
South-eastern Asia	1	0.2000 %	20442	0.12 %	20442.0000	4096	0.1312 %	4096
Southern Africa	1	0.2000 %	23415	0.14 %	23415.0000	8192	0.2624 %	8192
Southern Europe	19	3.8000 %	409541	2.41 %	21554.7895	71080	2.2771 %	3741
Western Asia	1	0.2000 %	24670	0.15 %	24670.0000	5096	0.1633 %	5096
Western Europe	59	11.8000 %	1881893	11.10 %	31896.4915	400616	12.8338 %	6790
<b>All</b>	<b>500</b>	<b>100%</b>	<b>16958600</b>	<b>100%</b>		<b>3121579</b>	<b>100%</b>	

### Architectures

Architectures	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Cluster	410	82.0000 %	10209333	60.20 %	24900.8122	1691406	54.1843 %	4125
Constellations	2	0.4000 %	94970	0.56 %	47485.0000	17648	0.5654 %	8824
MPP	88	17.6000 %	6654298	39.24 %	75617.0227	1412525	45.2503 %	16051
<b>All</b>	500	100%	16958600	100%		3121579	100%	

Continent

Continent			Rmax			Cores		
	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Africa	1	0.2000 %	23415	0.14 %	23415.0000	8192	0.2624 %	8192
Americas	296	59.2000 %	11317274	66.73 %	38234.0338	2086517	66.8417 %	7049
Asia	46	9.2000 %	1442818	8.51 %	31365.6087	256096	8.2041 %	5567
Europe	152	30.4000 %	4044079	23.85 %	26605.7829	746198	23.9045 %	4909
Oceania	5	1.0000 %	131015	0.77 %	26203.0000	24576	0.7873 %	4915
<b>All</b>	500	100%	16958600	100%		3121579	100%	

### Manufacturer

Manufacturer	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
ACTION	1	0.2000 %	38170	0.23 %	38170.0000	5336	0.1709 %	5336
Appro International	4	0.8000 %	158700	0.94 %	39675.0000	30736	0.9846 %	7684
Bull SA	3	0.6000 %	115090	0.68 %	38363.3333	19696	0.6310 %	6565
California Digital Corporation	1	0.2000 %	19940	0.12 %	19940.0000	4096	0.1312 %	4096
ClusterVision	1	0.2000 %	13600	0.08 %	13600.0000	2064	0.0661 %	2064
ClusterVision/Dell	2	0.4000 %	37200	0.22 %	18600.0000	4332	0.1388 %	2166
ClusterVision/IBM	2	0.4000 %	41476	0.24 %	20738.0000	4928	0.1579 %	2464
Cray Inc.	22	4.4000 %	2486731	14.66 %	113033.2273	376309	12.0551 %	17104
DALCO AG Switzerland	1	0.2000 %	28990	0.17 %	28990.0000	2880	0.0923 %	2880
Dawning	1	0.2000 %	180600	1.06 %	180600.0000	30720	0.9841 %	30720
Dell	19	3.8000 %	569640	3.36 %	29981.0526	82250	2.6349 %	4328
Dell/Sun	2	0.4000 %	89800	0.53 %	44900.0000	12240	0.3921 %	6120
Fujitsu	3	0.6000 %	84140	0.50 %	28046.6667	10240	0.3280 %	3413
Hewlett-Packard	209	41.8000 %	4193950	24.73 %	20066.7464	708784	22.7059 %	3391
Hitachi	2	0.4000 %	98795	0.58 %	49397.5000	12416	0.3977 %	6208

Manufacturer	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
IBM	186	37.2000 %	6511376	38.40 %	35007.39 78	1498276	47.9974 %	8055
Intel	1	0.2000 %	21810	0.13 %	21810.00 00	2296	0.0736 %	2296
Koi Computers	1	0.2000 %	13460	0.08 %	13460.00 00	3040	0.0974 %	3040
Lenovo	1	0.2000 %	102800	0.61 %	102800.0 000	12216	0.3913 %	12216
Linux Networx	2	0.4000 %	55810	0.33 %	27905.00 00	7784	0.2494 %	3892
LUFAC Computacion SA de CV	1	0.2000 %	18480	0.11 %	18480.00 00	2120	0.0679 %	2120
NEC	1	0.2000 %	35860	0.21 %	35860.00 00	5120	0.1640 %	5120
NEC/Sun	1	0.2000 %	77480	0.46 %	77480.00 00	30976	0.9923 %	30976
Pyramid Computer	1	0.2000 %	32800	0.19 %	32800.00 00	5420	0.1736 %	5420
Raytheon-Aspen Systems/Appro	1	0.2000 %	26730	0.16 %	26730.00 00	3440	0.1102 %	3440
Self-made	3	0.6000 %	52740	0.31 %	17580.00 00	8880	0.2845 %	2960
ServiWare	1	0.2000 %	12604	0.07 %	12604.00 00	1824	0.0584 %	1824
SGI	17	3.4000 %	1218446	7.18 %	71673.29 41	141560	4.5349 %	8327
SKIF/T-Platforms	1	0.2000 %	47170	0.28 %	47170.00 00	5000	0.1602 %	5000
Sun Microsystems	7	1.4000 %	542762	3.20 %	77537.42 86	82936	2.6569 %	11848
Transtec AG	1	0.2000 %	12640	0.07 %	12640.00 00	1616	0.0518 %	1616
UNICORNER/Fujitsu- Siemens	1	0.2000 %	18810	0.11 %	18810.00 00	2048	0.0656 %	2048

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Manufacturer	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
<b>All</b>	500	100%	16958600	100%		3121579	100%	

Producer Region

Producer Region	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Central America	1	0.2000 %	18480	0.11 %	18480.0000	2120	0.0679 %	2120
Eastern Asia	6	1.2000 %	495535	2.92 %	82589.1667	91448	2.9295 %	15241
Eastern Europe	2	0.4000 %	85340	0.50 %	42670.0000	10336	0.3311 %	5168
Global	3	0.6000 %	52740	0.31 %	17580.0000	8880	0.2845 %	2960
North America	477	95.4000 %	16030496	94.53 %	33606.9099	2968319	95.0903 %	6222
Northern Europe	2	0.4000 %	41476	0.24 %	20738.0000	4928	0.1579 %	2464
Western Europe	9	1.8000 %	234534	1.38 %	26059.3333	35548	1.1388 %	3949
<b>All</b>	<b>500</b>	<b>100%</b>	<b>16958600</b>	<b>100%</b>		<b>3121579</b>	<b>100%</b>	

### Site Segments

Site Segments	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Academic	92	18.4000 %	3456122	20.38 %	37566.5435	579352	18.5596 %	6297
Classified	1	0.2000 %	33929	0.20 %	33929.0000	7812	0.2503 %	7812
Government	7	1.4000 %	203693	1.20 %	29099.0000	33368	1.0689 %	4766
Industry	306	61.2000 %	5731473	33.80 %	18730.3039	1050480	33.6522 %	3432
Research	85	17.0000 %	7226593	42.61 %	85018.7412	1404423	44.9908 %	16522
Vendor	9	1.8000 %	306791	1.81 %	34087.8889	46144	1.4782 %	5127
<b>All</b>	500	100%	16958600	100%		3121579	100%	

### Application Area

Application Area	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Aerospace	6	1.2000 %	91732	0.54 %	15288.6667	13336	0.4272 %	2222
Automotive	6	1.2000 %	158875	0.94 %	26479.1667	19048	0.6102 %	3174
Benchmarking	5	1.0000 %	123344	0.73 %	24668.8000	25344	0.8119 %	5068
Biology	1	0.2000 %	18665	0.11 %	18665.0000	8192	0.2624 %	8192
CFD	1	0.2000 %	16180	0.10 %	16180.0000	3072	0.0984 %	3072
Consulting	1	0.2000 %	15969	0.09 %	15969.0000	2408	0.0771 %	2408
Database	2	0.4000 %	35748	0.21 %	17874.0000	6448	0.2066 %	3224
Defense	6	1.2000 %	243069	1.43 %	40511.5000	42356	1.3569 %	7059
Digital Media	2	0.4000 %	34986	0.21 %	17493.0000	6496	0.2081 %	3248
Energy	12	2.4000 %	239947	1.41 %	19995.5833	49854	1.5971 %	4154
Environment	1	0.2000 %	35860	0.21 %	35860.0000	5120	0.1640 %	5120
Finance	56	11.2000 %	902919	5.32 %	16123.5536	184720	5.9175 %	3298
Gaming	4	0.8000 %	77116	0.45 %	19279.0000	15248	0.4885 %	3812
Geophysics	49	9.8000 %	879680	5.19 %	17952.6531	162204	5.1962 %	3310
Hardware	13	2.6000 %	191704	1.13 %	14746.4615	31068	0.9953 %	2389

Application Area	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Information Processing Service	12	2.4000 %	258481	1.52 %	21540.0833	71192	2.2806 %	5932
Information Service	23	4.6000 %	396964	2.34 %	17259.3043	77372	2.4786 %	3364
Internet Provider	1	0.2000 %	12823	0.08 %	12823.0000	2304	0.0738 %	2304
Life Science	2	0.4000 %	114218	0.67 %	57109.0000	21716	0.6957 %	10858
Logistic Services	14	2.8000 %	319360	1.88 %	22811.4286	50332	1.6124 %	3595
Media	6	1.2000 %	137018	0.81 %	22836.3333	25472	0.8160 %	4245
Medicine	1	0.2000 %	63830	0.38 %	63830.0000	10240	0.3280 %	10240
Not Specified	117	23.4000 %	7592469	44.77 %	64892.8974	1290545	41.3427 %	11030
Research	65	13.0000 %	3041216	17.93 %	46787.9385	673340	21.5705 %	10359
Retail	8	1.6000 %	139106	0.82 %	17388.2500	25208	0.8075 %	3151
Semiconductor	24	4.8000 %	506958	2.99 %	21123.2500	85596	2.7421 %	3566
Service	18	3.6000 %	279557	1.65 %	15530.9444	49944	1.6000 %	2774
Software	14	2.8000 %	333075	1.96 %	23791.0714	62584	2.0049 %	4470
Telecomm	9	1.8000 %	169079	1.00 %	18786.5556	31744	1.0169 %	3527
Weather and Climate Research	9	1.8000 %	315400	1.86 %	35044.4444	29332	0.9397 %	3259
Weather Forecasting	1	0.2000 %	26730	0.16 %	26730.0000	3440	0.1102 %	3440
WWW	11	2.2000 %	186521	1.10 %	16956.4545	36304	1.1630 %	3300

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Application Area	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
<b>All</b>	500	100%	16958600	100%		3121579	100%	

### Interconnect

Interconnect			Rmax			Cores		
	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Federation	10	2.0000 %	229541	1.35 %	22954.1000	34208	1.0959 %	3420
Gigabit Ethernet	282	56.4000 %	4951011	29.19 %	17556.7766	942868	30.2048 %	3343
Infiniband DDR 4x	15	3.0000 %	397068	2.34 %	26471.2000	50744	1.6256 %	3382
Infiniband	78	15.6000 %	4623787	27.27 %	59279.3205	565228	18.1071 %	7246
Infiniband DDR	43	8.6000 %	1405486	8.29 %	32685.7209	209154	6.7003 %	4864
Infiniband SDR	2	0.4000 %	97250	0.57 %	48625.0000	13760	0.4408 %	6880
InfiniPath	3	0.6000 %	54720	0.32 %	18240.0000	6380	0.2044 %	2126
Multi-stage crossbar	1	0.2000 %	35860	0.21 %	35860.0000	5120	0.1640 %	5120
Myrinet	7	1.4000 %	177506	1.05 %	25358.0000	32048	1.0267 %	4578
Myrinet 10G	3	0.6000 %	172784	1.02 %	57594.6667	24528	0.7858 %	8176
NUMAlink	3	0.6000 %	122554	0.72 %	40851.3333	21504	0.6889 %	7168
Numalink/Infiniband	1	0.2000 %	66567	0.39 %	66567.0000	13824	0.4429 %	13824
Proprietary	26	5.2000 %	2015516	11.88 %	77519.8462	804864	25.7839 %	30956
Quadrics	4	0.8000 %	122220	0.72 %	30555.0000	21040	0.6740 %	5260
XT3 Internal Interconnect	6	1.2000 %	359197	2.12 %	59866.1667	73004	2.3387 %	12167

Interconnect	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
XT4 Internal Interconnect	16	3.2000 %	2127533	12.55 %	132970.8 125	303305	9.7164 %	18956
<b>All</b>	500	100%	16958600	100%		3121579	100%	

### Interconnect Family

Interconnect Family	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Cray Interconnect	6	1.2000 %	359197	2.12 %	59866.1667	73004	2.3387 %	12167
Crossbar	1	0.2000 %	35860	0.21 %	35860.0000	5120	0.1640 %	5120
Gigabit Ethernet	282	56.4000 %	4951011	29.19 %	17556.7766	942868	30.2048 %	3343
Infiniband	141	28.2000 %	6578310	38.79 %	46654.6809	845266	27.0782 %	5994
Mixed	1	0.2000 %	66567	0.39 %	66567.0000	13824	0.4429 %	13824
Myrinet	10	2.0000 %	350290	2.07 %	35029.0000	56576	1.8124 %	5657
NUMAlink	3	0.6000 %	122554	0.72 %	40851.3333	21504	0.6889 %	7168
Proprietary	42	8.4000 %	4143049	24.43 %	98644.0238	1108169	35.5003 %	26384
Quadrics	4	0.8000 %	122220	0.72 %	30555.0000	21040	0.6740 %	5260
SP Switch	10	2.0000 %	229541	1.35 %	22954.1000	34208	1.0959 %	3420
<b>All</b>	<b>500</b>	<b>100%</b>	<b>16958600</b>	<b>100%</b>		<b>3121579</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	0.23 %	38170.0000	5336	0.1709 %	5336
Appro HyperBlade	4	0.8000 %	158700	0.94 %	39675.0000	30736	0.9846 %	7684
Bull Cluster	1	0.2000 %	20120	0.12 %	20120.0000	2048	0.0656 %	2048
Bull SMP Cluster	2	0.4000 %	94970	0.56 %	47485.0000	17648	0.5654 %	8824
ClusterVision Cluster	1	0.2000 %	13600	0.08 %	13600.0000	2064	0.0661 %	2064
Cray XT	22	4.4000 %	2486731	14.66 %	113033.273	376309	12.0551 %	17104
Dalco Cluster	1	0.2000 %	28990	0.17 %	28990.0000	2880	0.0923 %	2880
Dawning Cluster	1	0.2000 %	180600	1.06 %	180600.0000	30720	0.9841 %	30720
Dell Cloud Computing (DCS)	1	0.2000 %	39580	0.23 %	39580.0000	4608	0.1476 %	4608
Dell PowerEdge Cluster	20	4.0000 %	567260	3.34 %	28363.0000	81974	2.6260 %	4098
Dell/Sun Cluster	2	0.4000 %	89800	0.53 %	44900.0000	12240	0.3921 %	6120
Fujitsu Cluster	2	0.4000 %	69050	0.41 %	34525.0000	8704	0.2788 %	4352
Fujitsu Siemens Cluster	1	0.2000 %	18810	0.11 %	18810.0000	2048	0.0656 %	2048
Hitachi Cluster	1	0.2000 %	82984	0.49 %	82984.0000	12288	0.3936 %	12288
Hitachi SR11000	1	0.2000 %	15811	0.09 %	15811.0000	128	0.0041 %	128

System Families	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
HP Cluster Platform 3000	5	1.0000 %	136553	0.81 %	27310.60 00	19192	0.6148 %	3838
HP Cluster Platform 3000BL	191	38.2000 %	3742270	22.07 %	19593.03 66	617524	19.7824 %	3233
HP Cluster Platform 4000	1	0.2000 %	97071	0.57 %	97071.00 00	18176	0.5823 %	18176
HP Cluster Platform 4000BL	10	2.0000 %	183596	1.08 %	18359.60 00	47268	1.5142 %	4726
HP Cluster Platform 6000	2	0.4000 %	34460	0.20 %	17230.00 00	6624	0.2122 %	3312
IBM BlueGene	26	5.2000 %	2015516	11.88 %	77519.84 62	804864	25.7839 %	30956
IBM Cluster	141	28.2000 %	3655402	21.55 %	25924.83 69	613796	19.6630 %	4353
IBM pSeries	21	4.2000 %	881934	5.20 %	41996.85 71	84544	2.7084 %	4025
Intel Cluster	1	0.2000 %	21810	0.13 %	21810.00 00	2296	0.0736 %	2296
KOI Cluster	1	0.2000 %	13460	0.08 %	13460.00 00	3040	0.0974 %	3040
Lenovo Cluster	1	0.2000 %	102800	0.61 %	102800.0 000	12216	0.3913 %	12216
Linux Networx Evolocivity	2	0.4000 %	55810	0.33 %	27905.00 00	7784	0.2494 %	3892
Lufac Cluster	1	0.2000 %	18480	0.11 %	18480.00 00	2120	0.0679 %	2120
NEC Vector	1	0.2000 %	35860	0.21 %	35860.00 00	5120	0.1640 %	5120
NOW - PowerPC	1	0.2000 %	16180	0.10 %	16180.00 00	3072	0.0984 %	3072
NOW - Intel	2	0.4000 %	43600	0.26 %	21800.00 00	5488	0.1758 %	2744
NOW - Intel IA32	1	0.2000 %	19690	0.12 %	19690.00 00	3760	0.1205 %	3760

System Families	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
NOW - Intel Itanium	1	0.2000 %	19940	0.12 %	19940.00 00	4096	0.1312 %	4096
NOW - mixed processors	1	0.2000 %	17110	0.10 %	17110.00 00	6024	0.1930 %	6024
PRIMERGY	1	0.2000 %	15090	0.09 %	15090.00 00	1536	0.0492 %	1536
Pyramid Cluster	1	0.2000 %	32800	0.19 %	32800.00 00	5420	0.1736 %	5420
ServiWare Cluster	1	0.2000 %	12604	0.07 %	12604.00 00	1824	0.0584 %	1824
SGI Altix	17	3.4000 %	1218446	7.18 %	71673.29 41	141560	4.5349 %	8327
Sun Blade System	6	1.2000 %	525652	3.10 %	87608.66 67	76912	2.4639 %	12818
Sun Fire - Cluster	1	0.2000 %	77480	0.46 %	77480.00 00	30976	0.9923 %	30976
T-Platforms Cluster	1	0.2000 %	47170	0.28 %	47170.00 00	5000	0.1602 %	5000
Transtec Cluster	1	0.2000 %	12640	0.07 %	12640.00 00	1616	0.0518 %	1616
<b>All</b>	500	100%	16958600	100%		3121579	100%	

### Cores Per System

Cores Per System	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
128k-	3	0.6000 %	1987500	11.72 %	662500.0000	526984	16.8820 %	175661
64k-128k	1	0.2000 %	1105000	6.52 %	1105000.0000	129600	4.1517 %	129600
32k-64k	8	1.6000 %	1856656	10.95 %	232082.0000	375346	12.0242 %	46918
16k-32k	9	1.8000 %	906121	5.34 %	100680.1111	212772	6.8162 %	23641
8k-16k	28	5.6000 %	2000803	11.80 %	71457.2500	316709	10.1458 %	11311
4k-8k	97	19.4000 %	2903572	17.12 %	29933.7320	555030	17.7804 %	5721
2049-4096	291	58.2000 %	5242910	30.92 %	18016.8729	891456	28.5579 %	3063
1025-2048	59	11.8000 %	895244	5.28 %	15173.6271	110610	3.5434 %	1874
513-1024	3	0.6000 %	44984	0.27 %	14994.6667	2944	0.0943 %	981
65-128	1	0.2000 %	15811	0.09 %	15811.0000	128	0.0041 %	128
<b>All</b>	<b>500</b>	<b>100%</b>	<b>16958600</b>	<b>100%</b>		<b>3121579</b>	<b>100%</b>	

## Processors

Processors	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Xeon E54xx (Harpertown)	186	37.2000 %	4280323	25.24 %	23012.48 92	647912	20.7559 %	3483
Xeon 51xx (Woodcrest)	70	14.0000 %	1266233	7.47 %	18089.04 29	210580	6.7459 %	3008
Xeon 53xx (Clovertown)	66	13.2000 %	1591940	9.39 %	24120.30 30	253846	8.1320 %	3846
Xeon L54xx (Harpertown)	32	6.4000 %	662586	3.91 %	20705.81 25	118584	3.7988 %	3705
Opteron Quad Core	31	6.2000 %	3200400	18.87 %	103238.7 097	469225	15.0317 %	15136
Opteron Dual Core	29	5.8000 %	828763	4.89 %	28578.03 45	230388	7.3805 %	7944
PowerPC 440	14	2.8000 %	933898	5.51 %	66707.00 00	415744	13.3184 %	29696
POWER6	12	2.4000 %	668204	3.94 %	55683.66 67	50464	1.6166 %	4205
PowerPC 450	12	2.4000 %	1081618	6.38 %	90134.83 33	389120	12.4655 %	32426
PowerXCell 8i	7	1.4000 %	1292040	7.62 %	184577.1 429	151416	4.8506 %	21630
POWER5+	7	1.4000 %	120771	0.71 %	17253.00 00	16368	0.5244 %	2338
PowerPC 970	5	1.0000 %	137806	0.81 %	27561.20 00	21928	0.7025 %	4385
Itanium2 Montecito Dual Core	5	1.0000 %	232067	1.37 %	46413.40 00	43728	1.4008 %	8745
Xeon 52xx (Wolfdale)	5	1.0000 %	88366	0.52 %	17673.20 00	13840	0.4434 %	2768
Xeon X54xx (Harpertown)	4	0.8000 %	133534	0.79 %	33383.50 00	14144	0.4531 %	3536

Processors	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Xeon 73xx (Tigerton)	3	0.6000 %	69457	0.41 %	23152.33 33	11504	0.3685 %	3834
POWER5	3	0.6000 %	108770	0.64 %	36256.66 67	17840	0.5715 %	5946
Itanium 2 Dual Core	2	0.4000 %	66034	0.39 %	33017.00 00	11776	0.3772 %	5888
Itanium 2	1	0.2000 %	19940	0.12 %	19940.00 00	4096	0.1312 %	4096
Xeon 32xx (Kentsfield)	1	0.2000 %	32800	0.19 %	32800.00 00	5420	0.1736 %	5420
SPARC64 VII	1	0.2000 %	18540	0.11 %	18540.00 00	2048	0.0656 %	2048
Xeon EM64T	1	0.2000 %	53000	0.31 %	53000.00 00	9024	0.2891 %	9024
Itanium2 Fanwood	1	0.2000 %	20450	0.12 %	20450.00 00	4096	0.1312 %	4096
NEC	1	0.2000 %	35860	0.21 %	35860.00 00	5120	0.1640 %	5120
Xeon 50xx (Dempsy)	1	0.2000 %	15200	0.09 %	15200.00 00	3368	0.1079 %	3368
<b>All</b>	500	100%	16958600	100%		3121579	100%	

### Processor Families

Processor Families	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
Intel EM64T	369	73.8000 %	8193439	48.31 %	22204.44 17	1288222	41.2683 %	3491
Power	60	12.0000 %	4343108	25.61 %	72385.13 33	1062880	34.0494 %	17714
AMD x86_64	60	12.0000 %	4029163	23.76 %	67152.71 67	699613	22.4122 %	11660
Intel IA-64	9	1.8000 %	338491	2.00 %	37610.11 11	63696	2.0405 %	7077
Sparc	1	0.2000 %	18540	0.11 %	18540.00 00	2048	0.0656 %	2048
NEC	1	0.2000 %	35860	0.21 %	35860.00 00	5120	0.1640 %	5120
<b>All</b>	500	100%	16958600	100%		3121579	100%	

Processor Architecutre

			Rmax			Cores		
Processor Architecutre	Count	Percent	Sum (GFlops)	Share	Mean	Sum	Share	Mean
Scalar	499	99.8000 %	16922741	99.79 %	33913.3086	3116459	99.8360 %	6245
Vector	1	0.2000 %	35860	0.21 %	35860.0000	5120	0.1640 %	5120
<b>All</b>	500	100%	16958600	100%		3121579	100%	

Installation Year

Installation Year	Count	Percent	Rmax			Cores		
			Sum (GFlops)	Share	Mean	Sum	Share	Mean
2002	1	0.2000 %	35860	0.21 %	35860.00 00	5120	0.1640 %	5120
2004	1	0.2000 %	19940	0.12 %	19940.00 00	4096	0.1312 %	4096
2005	5	1.0000 %	172250	1.02 %	34450.00 00	72704	2.3291 %	14540
2006	21	4.2000 %	607287	3.58 %	28918.42 86	135848	4.3519 %	6468
2007	64	12.8000 %	2780092	16.39 %	43438.93 75	790696	25.3300 %	12354
2008	408	81.6000 %	13343171	78.68 %	32703.85 05	2113115	67.6938 %	5179
<b>All</b>	500	100%	16958600	100%		3121579	100%	

Vendors/Customer Segments (Systems)

	Academic	Classified	Government	Industry	Research	Vendor	Total
ACTION	1	-	-	-	-	-	1
Appro International	1	-	-	-	3	-	4
Bull SA	1	-	-	-	2	-	3
California Digital Corporation	-	-	-	-	1	-	1
ClusterVision	1	-	-	-	-	-	1
ClusterVision/Dell	2	-	-	-	-	-	2
ClusterVision/IBM	2	-	-	-	-	-	2
Cray Inc.	7	1	-	-	12	2	22
DALCO AG Switzerland	-	-	-	1	-	-	1
Dawning	-	-	-	-	1	-	1
Dell	15	-	-	1	3	-	19
Dell/Sun	2	-	-	-	-	-	2
Fujitsu	2	-	-	-	1	-	3
Hewlett-Packard	10	-	4	188	6	1	209
Hitachi	2	-	-	-	-	-	2
IBM	27	-	3	113	38	5	186
Intel	-	-	-	1	-	-	1
Koi Computers	-	-	-	-	1	-	1
Lenovo	1	-	-	-	-	-	1
Linux Networx	-	-	-	-	2	-	2
LUFAC Computacion SA de CV	1	-	-	-	-	-	1
NEC	-	-	-	-	1	-	1
NEC/Sun	1	-	-	-	-	-	1
Pyramid Computer	-	-	-	-	1	-	1
Raytheon-Aspen Systems/Appro	-	-	-	-	1	-	1
Self-made	1	-	-	1	1	-	3
ServiWare	1	-	-	-	-	-	1
SGI	6	-	-	1	9	1	17
SKIF/T-Platforms	1	-	-	-	-	-	1

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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>
Sun Microsystems	5	-	-	-	2	-	7
Transtec AG	1	-	-	-	-	-	1
UNICORNER/Fujitsu-Siemens	1	-	-	-	-	-	1
<b>Total</b>	92	1	7	306	85	9	500

Vendors/Customer Segments (Performance in GFlops)

	Academic	Classified	Government	Industry	Research	Vendor	Total
ACTION	38170	-	-	-	-	-	38170
Appro International	76460	-	-	-	82240	-	158700
Bull SA	20120	-	-	-	94970	-	115090
California Digital Corporation	-	-	-	-	19940	-	19940
ClusterVision	13600	-	-	-	-	-	13600
ClusterVision/Dell	37200	-	-	-	-	-	37200
ClusterVision/IBM	41476	-	-	-	-	-	41476
Cray Inc.	363116	33929	-	-	2054311	35374	2486730
DALCO AG Switzerland	-	-	-	28990	-	-	28990
Dawning	-	-	-	-	180600	-	180600
Dell	422070	-	-	39580	107990	-	569640
Dell/Sun	89800	-	-	-	-	-	89800
Fujitsu	65600	-	-	-	18540	-	84140
Hewlett-Packard	274893	-	149345	3548524	207908	13280	4193950
Hitachi	98795	-	-	-	-	-	98795
IBM	827964	-	54348	1970289	3419999	238777	6511377
Intel	-	-	-	21810	-	-	21810
Koi Computers	-	-	-	-	13460	-	13460
Lenovo	102800	-	-	-	-	-	102800
Linux Networx	-	-	-	-	55810	-	55810
LUFAC Computacion SA de CV	18480	-	-	-	-	-	18480
NEC	-	-	-	-	35860	-	35860
NEC/Sun	77480	-	-	-	-	-	77480
Pyramid Computer	-	-	-	-	32800	-	32800
Raytheon-Aspen Systems/Appro	-	-	-	-	26730	-	26730
Self-made	16870	-	-	16180	19690	-	52740
ServiWare	12604	-	-	-	-	-	12604
SGI	269090	-	-	106100	823896	19360	1218446
SKIF/T-Platforms	47170	-	-	-	-	-	47170

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	<b>Academic</b>	<b>Classified</b>	<b>Government</b>	<b>Industry</b>	<b>Research</b>	<b>Vendor</b>	Total
Sun Microsystems	510913	-	-	-	31849	-	542762
Transec AG	12640	-	-	-	-	-	12640
UNICORNER/Fujitsu-Siemens	18810	-	-	-	-	-	18810
<b>Total</b>	3456121	33929	203693	5731473	7226593	306791	16958600

Continents/Customer Segments (Systems)

	Academic	Classified	Government	Industry	Research	Vendor	Total
Africa	1	-	-	-	-	-	1
Americas	36	-	6	197	49	8	296
Asia	9	-	-	26	11	-	46
Europe	46	1	1	78	25	1	152
Oceania	-	-	-	5	-	-	5
<b>Total</b>	92	1	7	306	85	9	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
Africa	23415	-	-	-	-	-	23415
Americas	1468684	-	100893	3517817	5936368	293511	11317273
Asia	463975	-	-	582662	396181	-	1442818
Europe	1500047	33929	102800	1499978	894044	13280	4044078
Oceania	-	-	-	131015	-	-	131015
<b>Total</b>	3456121	33929	203693	5731472	7226593	306791	16958599

Regions/Customer Segments (Systems)

	Academic	Classified	Government	Industry	Research	Vendor	Total
Australia and New Zealand	-	-	-	5	-	-	5
Central America	1	-	-	-	-	-	1
Eastern Asia	9	-	-	18	9	-	36
Eastern Europe	10	-	-	2	3	-	15
North America	34	-	6	196	49	8	293
Northern Europe	12	1	1	37	7	1	59
South America	1	-	-	1	-	-	2
South-central Asia	-	-	-	6	2	-	8
South-eastern Asia	-	-	-	1	-	-	1
Southern Africa	1	-	-	-	-	-	1
Southern Europe	8	-	-	7	4	-	19
Western Asia	-	-	-	1	-	-	1
Western Europe	16	-	-	32	11	-	59
<b>Total</b>	92	1	7	306	85	9	500

Regions/Customer Segments (Performance in GFlops)

	Academic	Classified	Government	Industry	Research	Vendor	Total
Australia and New Zealand	-	-	-	131015	-	-	131015
Central America	18480	-	-	-	-	-	18480
Eastern Asia	463975	-	-	334625	339712	-	1138312
Eastern Europe	273081	-	-	28126	62175	-	363382
North America	1433964	-	100893	3502278	5936368	293511	11267014
Northern Europe	415768	33929	102800	627132	196354	13280	1389263
South America	16240	-	-	15539	-	-	31779
South-central Asia	-	-	-	202925	56469	-	259394
South-eastern Asia	-	-	-	20442	-	-	20442
Southern Africa	23415	-	-	-	-	-	23415
Southern Europe	186377	-	-	138019	85145	-	409541
Western Asia	-	-	-	24670	-	-	24670
Western Europe	624821	-	-	706701	550370	-	1881892
<b>Total</b>	3456121	33929	203693	5731472	7226593	306791	16958599

Segment/Application Area (Systems)

	Academic	Classified	Government	Industry	Research	Vendor	Total
Aerospace	2	-	-	2	2	-	6
Automotive	1	-	-	5	-	-	6
Benchmarking	-	-	-	-	-	5	5
Biology	-	-	-	-	1	-	1
CFD	-	-	-	1	-	-	1
Consulting	-	-	-	1	-	-	1
Database	-	-	2	-	-	-	2
Defense	-	1	2	2	1	-	6
Digital Media	-	-	-	2	-	-	2
Energy	2	-	-	8	2	-	12
Environment	-	-	-	-	1	-	1
Finance	-	-	-	56	-	-	56
Gaming	-	-	-	4	-	-	4
Geophysics	1	-	-	47	1	-	49
Hardware	-	-	-	12	-	1	13
Information Processing Service	-	-	-	11	1	-	12
Information Service	-	-	-	22	1	-	23
Internet Provider	-	-	-	1	-	-	1
Life Science	-	-	-	1	1	-	2
Logistic Services	-	-	-	14	-	-	14
Media	-	-	-	6	-	-	6
Medicine	1	-	-	-	-	-	1
Not Specified	48	-	1	23	44	1	117
Research	37	-	-	7	21	-	65
Retail	-	-	-	8	-	-	8
Semiconductor	-	-	-	24	-	-	24
Service	-	-	2	16	-	-	18
Software	-	-	-	13	-	1	14
Telecomm	-	-	-	9	-	-	9

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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>
Weather and Climate Research	-	-	-	-	8	1	9
Weather Forecasting	-	-	-	-	1	-	1
WWW	-	-	-	11	-	-	11
<b>Total</b>	92	1	7	306	85	9	500

Segment/Application Area (Performance in GFlops)

	Academic	Classified	Government	Industry	Research	Vendor	Total
Aerospace	31042	-	-	27291	33399	-	91732
Automotive	27370	-	-	131505	-	-	158875
Benchmarking	-	-	-	-	-	123344	123344
Biology	-	-	-	-	18665	-	18665
CFD	-	-	-	16180	-	-	16180
Consulting	-	-	-	15969	-	-	15969
Database	-	-	35748	-	-	-	35748
Defense	-	33929	123250	33050	52840	-	243069
Digital Media	-	-	-	34986	-	-	34986
Energy	29304	-	-	173313	37330	-	239947
Environment	-	-	-	-	35860	-	35860
Finance	-	-	-	902919	-	-	902919
Gaming	-	-	-	77116	-	-	77116
Geophysics	16240	-	-	846306	17134	-	879680
Hardware	-	-	-	178424	-	13280	191704
Information Processing Service	-	-	-	167191	91290	-	258481
Information Service	-	-	-	378299	18665	-	396964
Internet Provider	-	-	-	12823	-	-	12823
Life Science	-	-	-	17147	97071	-	114218
Logistic Services	-	-	-	319360	-	-	319360
Media	-	-	-	137018	-	-	137018
Medicine	63830	-	-	-	-	-	63830
Not Specified	2124294	-	18600	549205	4886433	13936	7592468
Research	1164041	-	-	188418	1688757	-	3041216
Retail	-	-	-	139106	-	-	139106
Semiconductor	-	-	-	506958	-	-	506958
Service	-	-	26095	253462	-	-	279557
Software	-	-	-	269825	-	63250	333075
Telecomm	-	-	-	169079	-	-	169079

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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>
Weather and Climate Research	-	-	-	-	222420	92980	315400
Weather Forecasting	-	-	-	-	26730	-	26730
WWW	-	-	-	186521	-	-	186521
<b>Total</b>	3456121	33929	203693	5731471	7226594	306790	16958598

Vendors/Architecture Type (Systems)

	Cluster	Constellations	MPP	Total
ACTION	1	-	-	1
Appro International	4	-	-	4
Bull SA	1	2	-	3
California Digital Corporation	1	-	-	1
ClusterVision	1	-	-	1
ClusterVision/Dell	2	-	-	2
ClusterVision/IBM	2	-	-	2
Cray Inc.	-	-	22	22
DALCO AG Switzerland	1	-	-	1
Dawning	1	-	-	1
Dell	19	-	-	19
Dell/Sun	2	-	-	2
Fujitsu	3	-	-	3
Hewlett-Packard	209	-	-	209
Hitachi	1	-	1	2
IBM	139	-	47	186
Intel	1	-	-	1
Koi Computers	1	-	-	1
Lenovo	1	-	-	1
Linux Networx	2	-	-	2
LUFAC Computacion SA de CV	1	-	-	1
NEC	-	-	1	1
NEC/Sun	1	-	-	1
Pyramid Computer	1	-	-	1
Raytheon-Aspen Systems/Appro	1	-	-	1
Self-made	3	-	-	3
ServiWare	1	-	-	1
SGI	-	-	17	17
SKIF/T-Platforms	1	-	-	1

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	<b>Cluster</b>	<b>Constellations</b>	<b>MPP</b>	<b>Total</b>
Sun Microsystems	7	-	-	7
Transtec AG	1	-	-	1
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	158700	-	-	158700
Bull SA	20120	94970	-	115090
California Digital Corporation	19940	-	-	19940
ClusterVision	13600	-	-	13600
ClusterVision/Dell	37200	-	-	37200
ClusterVision/IBM	41476	-	-	41476
Cray Inc.	-	-	2486731	2486731
DALCO AG Switzerland	28990	-	-	28990
Dawning	180600	-	-	180600
Dell	569640	-	-	569640
Dell/Sun	89800	-	-	89800
Fujitsu	84140	-	-	84140
Hewlett-Packard	4193950	-	-	4193950
Hitachi	82984	-	15811	98795
IBM	3613926	-	2897450	6511376
Intel	21810	-	-	21810
Koi Computers	13460	-	-	13460
Lenovo	102800	-	-	102800
Linux Networx	55810	-	-	55810
LUFAC Computacion SA de CV	18480	-	-	18480
NEC	-	-	35860	35860
NEC/Sun	77480	-	-	77480
Pyramid Computer	32800	-	-	32800
Raytheon-Aspen Systems/Appro	26730	-	-	26730
Self-made	52740	-	-	52740
ServiWare	12604	-	-	12604
SGI	-	-	1218446	1218446
SKIF/T-Platforms	47170	-	-	47170

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	<b>Cluster</b>	<b>Constellations</b>	<b>MPP</b>	Total
Sun Microsystems	542762	-	-	542762
Transec AG	12640	-	-	12640
UNICORNER/Fujitsu-Siemens	18810	-	-	18810
<b>Total</b>	10209332	94970	6654298	16958600

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Continents/Architecture Type (Systems)

	<b>Cluster</b>	<b>Constellations</b>	<b>MPP</b>	<b>Total</b>
Africa	-	-	1	1
Americas	251	-	45	296
Asia	38	-	8	46
Europe	116	2	34	152
Oceania	5	-	-	5
<b>Total</b>	410	2	88	500

Continents/Architecture Type (Performance in GFlops)

	Cluster	Constellations	MPP	Total
Africa	-	-	23415	23415
Americas	6460993	-	4856281	11317274
Asia	1278964	-	163854	1442818
Europe	2338361	94970	1610748	4044079
Oceania	131015	-	-	131015
<b>Total</b>	10209333	94970	6654298	16958601

Regions/Architecture Type (Systems)

	Cluster	Constellations	MPP	Total
Australia and New Zealand	5	-	-	5
Central America	1	-	-	1
Eastern Asia	29	-	7	36
Eastern Europe	12	-	3	15
North America	248	-	45	293
Northern Europe	48	-	11	59
South America	2	-	-	2
South-central Asia	7	-	1	8
South-eastern Asia	1	-	-	1
Southern Africa	-	-	1	1
Southern Europe	18	-	1	19
Western Asia	1	-	-	1
Western Europe	38	2	19	59
<b>Total</b>	410	2	88	500

Regions/Architecture Type (Performance in GFlops)

	Cluster	Constellations	MPP	Total
Australia and New Zealand	131015	-	-	131015
Central America	18480	-	-	18480
Eastern Asia	993122	-	145189	1138311
Eastern Europe	302872	-	60510	363382
North America	6410734	-	4856281	11267015
Northern Europe	988970	-	400294	1389264
South America	31779	-	-	31779
South-central Asia	240729	-	18665	259394
South-eastern Asia	20442	-	-	20442
Southern Africa	-	-	23415	23415
Southern Europe	394872	-	14669	409541
Western Asia	24670	-	-	24670
Western Europe	651647	94970	1135276	1881893
<b>Total</b>	10209332	94970	6654299	16958601

Vendors/Continents (Systems)

	Africa	Americas	Asia	Europe	Oceania	Total
ACTION	-	-	-	1	-	1
Appro International	-	3	1	-	-	4
Bull SA	-	-	-	3	-	3
California Digital Corporation	-	1	-	-	-	1
ClusterVision	-	-	-	1	-	1
ClusterVision/Dell	-	-	-	2	-	2
ClusterVision/IBM	-	-	-	2	-	2
Cray Inc.	-	14	1	7	-	22
DALCO AG Switzerland	-	-	-	1	-	1
Dawning	-	-	1	-	-	1
Dell	-	19	-	-	-	19
Dell/Sun	-	2	-	-	-	2
Fujitsu	-	-	3	-	-	3
Hewlett-Packard	-	116	18	70	5	209
Hitachi	-	-	2	-	-	2
IBM	1	119	15	51	-	186
Intel	-	1	-	-	-	1
Koi Computers	-	1	-	-	-	1
Lenovo	-	-	1	-	-	1
Linux Networx	-	2	-	-	-	2
LUFAC Computacion SA de CV	-	1	-	-	-	1
NEC	-	-	1	-	-	1
NEC/Sun	-	-	1	-	-	1
Pyramid Computer	-	-	-	1	-	1
Raytheon-Aspen Systems/Appro	-	1	-	-	-	1
Self-made	-	2	-	1	-	3
ServiWare	-	-	-	1	-	1
SGI	-	9	1	7	-	17
SKIF/T-Platforms	-	-	-	1	-	1

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	<b>Africa</b>	<b>Americas</b>	<b>Asia</b>	<b>Europe</b>	<b>Oceania</b>	<b>Total</b>
Sun Microsystems	-	5	1	1	-	7
Transtec AG	-	-	-	1	-	1
UNICORNER/Fujitsu-Siemens	-	-	-	1	-	1
<b>Total</b>	1	296	46	152	5	500

Vendors/Continents (Performance in GFlops)

	Africa	Americas	Asia	Europe	Oceania	Total
ACTION	-	-	-	38170	-	38170
Appro International	-	82240	76460	-	-	158700
Bull SA	-	-	-	115090	-	115090
California Digital Corporation	-	19940	-	-	-	19940
ClusterVision	-	-	-	13600	-	13600
ClusterVision/Dell	-	-	-	37200	-	37200
ClusterVision/IBM	-	-	-	41476	-	41476
Cray Inc.	-	2212721	22930	251080	-	2486731
DALCO AG Switzerland	-	-	-	28990	-	28990
Dawning	-	-	180600	-	-	180600
Dell	-	569640	-	-	-	569640
Dell/Sun	-	89800	-	-	-	89800
Fujitsu	-	-	84140	-	-	84140
Hewlett-Packard	-	2263826	425247	1373862	131015	4193950
Hitachi	-	-	98795	-	-	98795
IBM	23415	4578190	306923	1602849	-	6511377
Intel	-	21810	-	-	-	21810
Koi Computers	-	13460	-	-	-	13460
Lenovo	-	-	102800	-	-	102800
Linux Networx	-	55810	-	-	-	55810
LUFAC Computacion SA de CV	-	18480	-	-	-	18480
NEC	-	-	35860	-	-	35860
NEC/Sun	-	-	77480	-	-	77480
Pyramid Computer	-	-	-	32800	-	32800
Raytheon-Aspen Systems/Appro	-	26730	-	-	-	26730
Self-made	-	33050	-	19690	-	52740
ServiWare	-	-	-	12604	-	12604
SGI	-	820663	14593	383190	-	1218446
SKIF/T-Platforms	-	-	-	47170	-	47170

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	<b>Africa</b>	<b>Americas</b>	<b>Asia</b>	<b>Europe</b>	<b>Oceania</b>	<b>Total</b>
Sun Microsystems	-	510913	16990	14859	-	542762
Transtec AG	-	-	-	12640	-	12640
UNICORNER/Fujitsu-Siemens	-	-	-	18810	-	18810
<b>Total</b>	23415	11317273	1442818	4044080	131015	16958601

Vendors/Interconnect (Systems)

	Cray Interconnect	Crossbar	Gigabit Ethernet	Infiniband	Mixed	Myrinet	NUMALink	Proprietary	Quadrics	SP Switch	Total
ACTION	-	-	-	1	-	-	-	-	-	-	1
Appro International	-	-	-	4	-	-	-	-	-	-	4
Bull SA	-	-	-	2	-	-	-	-	1	-	3
California Digital Corporation	-	-	-	-	-	-	-	-	1	-	1
ClusterVision	-	-	-	1	-	-	-	-	-	-	1
ClusterVision/Dell	-	-	-	2	-	-	-	-	-	-	2
ClusterVision/IBM	-	-	-	2	-	-	-	-	-	-	2
Cray Inc.	6	-	-	-	-	-	-	16	-	-	22
DALCO AG Switzerland	-	-	-	-	-	-	-	-	1	-	1
Dawning	-	-	-	1	-	-	-	-	-	-	1
Dell	-	-	1	17	-	1	-	-	-	-	19
Dell/Sun	-	-	-	-	-	2	-	-	-	-	2
Fujitsu	-	-	-	3	-	-	-	-	-	-	3
Hewlett-Packard	-	-	177	31	-	-	-	-	1	-	209
Hitachi	-	-	-	-	-	1	-	-	-	1	2
IBM	-	-	102	45	-	4	-	26	-	9	186
Intel	-	-	-	1	-	-	-	-	-	-	1
Koi Computers	-	-	-	1	-	-	-	-	-	-	1
Lenovo	-	-	-	1	-	-	-	-	-	-	1
Linux Networx	-	-	-	2	-	-	-	-	-	-	2
LUFAC Computacion SA de CV	-	-	-	1	-	-	-	-	-	-	1
NEC	-	1	-	-	-	-	-	-	-	-	1
NEC/Sun	-	-	-	1	-	-	-	-	-	-	1
Pyramid Computer	-	-	1	-	-	-	-	-	-	-	1
Raytheon-Aspen Systems/Appro	-	-	-	1	-	-	-	-	-	-	1
Self-made	-	-	1	1	-	1	-	-	-	-	3
ServiWare	-	-	-	1	-	-	-	-	-	-	1

	<b>Cray Interconnect</b>	<b>Crossbar</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>
SGI	-	-	-	13	1	-	3	-	-	-	17
SKIF/T-Platforms	-	-	-	1	-	-	-	-	-	-	1
Sun Microsystems	-	-	-	6	-	1	-	-	-	-	7
Transtec AG	-	-	-	1	-	-	-	-	-	-	1
UNICORNER/Fujitsu-Siemens	-	-	-	1	-	-	-	-	-	-	1
<b>Total</b>	<b>6</b>	<b>1</b>	<b>282</b>	<b>141</b>	<b>1</b>	<b>10</b>	<b>3</b>	<b>42</b>	<b>4</b>	<b>10</b>	<b>500</b>

Vendors/Interconnect (Performance in GFlops)

	Cray Interconnect	Crossbar	Gigabit Ethernet	Infiniband	Mixed	Myrinet	NUMalink	Proprietary	Quadrics	SP Switch	Total
ACTION	-	-	-	38170	-	-	-	-	-	-	38170
Appro International	-	-	-	158700	-	-	-	-	-	-	158700
Bull SA	-	-	-	62250	-	-	-	-	52840	-	115090
California Digital Corporation	-	-	-	-	-	-	-	-	19940	-	19940
ClusterVision	-	-	-	13600	-	-	-	-	-	-	13600
ClusterVision/Dell	-	-	-	37200	-	-	-	-	-	-	37200
ClusterVision/IBM	-	-	-	41476	-	-	-	-	-	-	41476
Cray Inc.	359197	-	-	-	-	-	-	2127533	-	-	2486730
DALCO AG Switzerland	-	-	-	-	-	-	-	-	28990	-	28990
Dawning	-	-	-	180600	-	-	-	-	-	-	180600
Dell	-	-	26800	520250	-	22590	-	-	-	-	569640
Dell/Sun	-	-	-	-	-	89800	-	-	-	-	89800
Fujitsu	-	-	-	84140	-	-	-	-	-	-	84140
Hewlett-Packard	-	-	3183744	989756	-	-	-	-	20450	-	4193950
Hitachi	-	-	-	-	-	82984	-	-	-	15811	98795
IBM	-	-	1687977	2472527	-	121626	-	2015516	-	213730	6511376
Intel	-	-	-	21810	-	-	-	-	-	-	21810
Koi Computers	-	-	-	13460	-	-	-	-	-	-	13460
Lenovo	-	-	-	102800	-	-	-	-	-	-	102800
Linux Networx	-	-	-	55810	-	-	-	-	-	-	55810
LUFAC Computacion SA de CV	-	-	-	18480	-	-	-	-	-	-	18480
NEC	-	35860	-	-	-	-	-	-	-	-	35860
NEC/Sun	-	-	-	77480	-	-	-	-	-	-	77480
Pyramid Computer	-	-	32800	-	-	-	-	-	-	-	32800
Raytheon-Aspen Systems/Appro	-	-	-	26730	-	-	-	-	-	-	26730
Self-made	-	-	19690	16870	-	16180	-	-	-	-	52740
ServiWare	-	-	-	12604	-	-	-	-	-	-	12604

	<b>Cray Interconnect</b>	<b>Crossbar</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>
SGI	-	-	-	1029325	66567	-	122554	-	-	-	1218446
SKIF/T-Platforms	-	-	-	47170	-	-	-	-	-	-	47170
Sun Microsystems	-	-	-	525652	-	17110	-	-	-	-	542762
Transtec AG	-	-	-	12640	-	-	-	-	-	-	12640
UNICORNER/Fujitsu-Siemens	-	-	-	18810	-	-	-	-	-	-	18810
<b>Total</b>	359197	35860	4951011	6578310	66567	350290	122554	4143049	122220	229541	16958599

Vendors/Proc. Family (Systems)

	AMD x86_64	Intel EM64 T	Intel IA- 64	NEC	Power	Sparc	Total
ACTION	-	1	-	-	-	-	1
Appro International	4	-	-	-	-	-	4
Bull SA	-	1	2	-	-	-	3
California Digital Corporation	-	-	1	-	-	-	1
ClusterVision	1	-	-	-	-	-	1
ClusterVision/Dell	-	2	-	-	-	-	2
ClusterVision/IBM	-	2	-	-	-	-	2
Cray Inc.	22	-	-	-	-	-	22
DALCO AG Switzerland	-	1	-	-	-	-	1
Dawning	1	-	-	-	-	-	1
Dell	1	18	-	-	-	-	19
Dell/Sun	-	2	-	-	-	-	2
Fujitsu	1	1	-	-	-	1	3
Hewlett-Packard	11	196	2	-	-	-	209
Hitachi	1	-	-	-	1	-	2
IBM	10	118	-	-	58	-	186
Intel	-	1	-	-	-	-	1
Koi Computers	1	-	-	-	-	-	1
Lenovo	-	1	-	-	-	-	1
Linux Networx	-	2	-	-	-	-	2
LUFAC Computacion SA de CV	-	1	-	-	-	-	1
NEC	-	-	-	1	-	-	1
NEC/Sun	1	-	-	-	-	-	1
Pyramid Computer	-	1	-	-	-	-	1
Raytheon-Aspen Systems/Appro	-	1	-	-	-	-	1
Self-made	-	2	-	-	1	-	3
ServiWare	1	-	-	-	-	-	1

	AMD x86_64	Intel EM64 T	Intel IA- 64	NEC	Power	Sparc	Total
SGI	-	13	4	-	-	-	17
SKIF/T-Platforms	-	1	-	-	-	-	1
Sun Microsystems	5	2	-	-	-	-	7
Transtec AG	-	1	-	-	-	-	1
UNICORNER/Fujitsu-Siemens	-	1	-	-	-	-	1
<b>Total</b>	60	369	9	1	60	1	500

Vendors/Proc. Family (Performance in GFlops)

	AMD x86_64	Intel EM64T	Intel IA-64	NEC	Power	Sparc	Total
ACTION	-	38170	-	-	-	-	38170
Appro International	158700	-	-	-	-	-	158700
Bull SA	-	20120	94970	-	-	-	115090
California Digital Corporation	-	-	19940	-	-	-	19940
ClusterVision	13600	-	-	-	-	-	13600
ClusterVision/Dell	-	37200	-	-	-	-	37200
ClusterVision/IBM	-	41476	-	-	-	-	41476
Cray Inc.	2486731	-	-	-	-	-	2486731
DALCO AG Switzerland	-	28990	-	-	-	-	28990
Dawning	180600	-	-	-	-	-	180600
Dell	21500	548140	-	-	-	-	569640
Dell/Sun	-	89800	-	-	-	-	89800
Fujitsu	50510	15090	-	-	-	18540	84140
Hewlett-Packard	280667	3878823	34460	-	-	-	4193950
Hitachi	82984	-	-	-	15811	-	98795
IBM	152455	2047805	-	-	4311117	-	6511377
Intel	-	21810	-	-	-	-	21810
Koi Computers	13460	-	-	-	-	-	13460
Lenovo	-	102800	-	-	-	-	102800
Linux Networx	-	55810	-	-	-	-	55810
LUFAC Computacion SA de CV	-	18480	-	-	-	-	18480
NEC	-	-	-	35860	-	-	35860
NEC/Sun	77480	-	-	-	-	-	77480
Pyramid Computer	-	32800	-	-	-	-	32800
Raytheon-Aspen Systems/Appro	-	26730	-	-	-	-	26730
Self-made	-	36560	-	-	16180	-	52740
ServiWare	12604	-	-	-	-	-	12604
SGI	-	1029325	189121	-	-	-	1218446

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	<b>AMD x86_64</b>	<b>Intel EM64T</b>	<b>Intel IA-64</b>	<b>NEC</b>	<b>Power</b>	<b>Sparc</b>	<b>Total</b>
SKIF/T-Platforms	-	47170	-	-	-	-	47170
Sun Microsystems	497872	44890	-	-	-	-	542762
Transtec AG	-	12640	-	-	-	-	12640
UNICORNER/Fujitsu-Siemens	-	18810	-	-	-	-	18810
<b>Total</b>	4029163	8193439	338491	35860	4343108	18540	16958601

Segment/Proc. Family (Systems)

	Academic	Classified	Government	Industry	Research	Vendor	Total
AMD x86_64	19	1	-	14	24	2	60
Intel EM64T	53	-	6	285	23	2	369
Intel IA-64	2	-	1	-	6	-	9
NEC	-	-	-	-	1	-	1
Power	18	-	-	7	30	5	60
Sparc	-	-	-	-	1	-	1
<b>Total</b>	92	1	7	306	85	9	500

Segment/Proc. Family (Performance in GFlops)

	Academic	Classified	Government	Industry	Research	Vendor	Total
AMD x86_64	1197137	33929	-	246304	2516419	35374	4029163
Intel EM64T	1543710	-	183243	5300725	1133120	32640	8193438
Intel IA-64	70530	-	20450	-	247511	-	338491
NEC	-	-	-	-	35860	-	35860
Power	644744	-	-	184444	3275143	238777	4343108
Sparc	-	-	-	-	18540	-	18540
<b>Total</b>	3456121	33929	203693	5731473	7226593	306791	16958600