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17th Edition of TOP500 List of World's Fastest Supercomputers Released

MANNHEIM, GERMANY; KNOXVILLE, TENN.; & BERKELEY, CALIF. – In what has become a much-anticipated event in the world of high-performance computing, the 17th edition of the “TOP500” list of the world’s fastest supercomputers was released today (June 21).

The latest edition of the twice-yearly ranking finds IBM as the leader in the field, with 40 percent in terms of installed systems and 43 percent in terms of total performance of all the installed systems. In second place in terms of installed systems is Sun Microsystems with 16 percent, while Cray Inc. retained second place in terms of performance (13 percent). SGI Inc. was third both with respect to systems with 63 (12.6 percent) and performance (10.2 percent).

The list is compiled by Hans Meuer of the University of Mannheim, Erich Strohmaier and Horst Simon of the U.S. Department of Energy’s National Energy Research Scientific Computing Center, and Jack Dongarra of the University of Tennessee. The list was released and analyzed at the Supercomputer 2001 Conference in Heidelberg.

At the top of the list, the U.S. Department of Energy’s Accelerated Strategic Computing Initiative (ASCI), which had claimed the top four slots on the previous TOP500 list, is now joined by the Department of Energy’s National Energy Research Scientific Computing Center (NERSC), an unclassified supercomputing center at Lawrence Berkeley National Laboratory (LBNL) in Berkeley, Calif.

The IBM ASCI White system at Lawrence Livermore National Laboratory is still the number one supercomputer in the world, with an improved performance of 7.2 teraflop/s (trillions of calculations per second) on the Linpack benchmark. The number two spot is now taken by the new IBM SP system at NERSC/LBNL. At number five is a new Hitachi SR8000/MPP at the University of Tokyo.

The list now indicates 12 systems exceeding the 1 teraflop/s level using the Linpack benchmark. The number eight system is an NEC SX5 at Osaka University and is the first classical vector system to break the 1 teraflop/s (Tflop/s) barrier.

The TOP500 already contains 25 systems exceeding 1 teraflop/s level for peak performance. Two of these systems are IBM Netfinity clusters at NCSA and Shell, at numbers 30 and 31 respectively.

The list exhibits unbroken growth at all ranges of performance. The total combined performance of all 500 computers on the list is 108.8 Tflop/s, compared to 88.1 Tflop/s six month ago. Increased performance also resulted in 132 systems which had made the previous list failing to make the latest edition. The “slowest” system on the newest listing is 67.8 gigaflop/s, compared to 55.1 Gflop/s 6 months ago and 43.82 Gflop/s in June 2000.

The new TOP500 list, as well as the former lists, can be found on the Web at <http://www.top500.org/>.

According to the compilers of the list, the following trends can be seen:

* The United States retained its prime position as supercomputer user and producer, with only small changes in geographical distribution.

- * The number of machines used in industry decreased slightly to 236 from 245.
- * The number of machines used in research stayed stable at 118 (down from 119).
- * The number of machines used in academia continues to rise to 92 from 86.
- * All vector-based systems are of Japanese origin.

#

All changes are from November 2000 to June 2001:

Highlights from the Top 10:

- ASCI White is #1 with an increased performance of 7.2 TF/s on the Linpack
- Two new systems broke into the leading group of four ASCI systems from last year.
- #2 is a new IBM SP system at NERSC/LBNL
- #5 is a new Hitachi SR8000/MPP system at the University of Tokyo
- Two more systems are new in the TOP10:
 - #8 a NEC SX5 installed at Osaka University, the first vector based system in the TOP500
 - #10 a new IBM system at NCEP, which is an identical sister system to #9 at the same location
- 12 systems have Linpack performance above 1 TFlop/s
- 25 systems have peak performance above 1 TFlop/s including two IBM Netfinity clusters (#30 and #31)
- 1.18 Tflop/s is the entry point for the Top 10

General highlights from the Top 500:

- 132 systems fell off the end of the TOP500 since last June
- Total accumulated performance is 108.8 TFlop/s compared to 88.1 TFlop/s 6 month ago
- Entry level is now 67.8 GF/s compared to 55.1 GF/s 6 month ago
- The entry point for the top100 moved from 181 GF/s to 241 GF/s.

Trends over time:

- The US keeps its prime position as supercomputer user and producer with only little changes in geographical distribution
- The number of machines used in industry decreased slightly to 236 from 245.
- The number of machines used in research stayed stable at 118 (from 119).
- The number of machines used in academic continues to recover to 92 from 86.

- IBM is dominating the TOP500. It is leading the list with respect to the number of systems installed and the installed performance with a stable share of 40% and 42%.

- Sun is second in the number of systems with 81 (16.2%) and fourth in performance with 8.6%.

- With respect to installed performance Cray Inc. keeps the second position with 13.1% of performance. (fourth in systems 9% (45))

- SGI is third with respect to systems with 63 systems (12.6%) (third in performance 10.2%)

- All vector based systems are of Japanese origin.

TOP500 Sublist for June 2001

TOP500 Team

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



Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
1	Lawrence Livermore National Laboratory	IBM	ASCI White, SP Power3 375 MHz	Research	United States	2000	7226.00	8192	12288.00	518096	179000	SP Switch
2	NERSC/LBNL	IBM	SP Power3 375 MHz 16 way	Research	United States	2001	2526.00	2528	3792.00	371712	102400	SP Switch
3	Sandia National Laboratories	Intel	ASCI Red	Research	United States	1999	2379.00	9632	3207.00	362880	75400	Proprietary
4	Lawrence Livermore National Laboratory	IBM	ASCI Blue-Pacific SST, IBM SP 604e	Research	United States	1999	2144.00	5808	3856.50	431344		SP Switch
5	University of Tokyo	Hitachi	SR8000/MPP	Academic	Japan	2001	1709.10	1152	2074.00	141000	16000	Crossbar
6	Los Alamos National Laboratory	SGI	ASCI Blue Mountain	Research	United States	1998	1608.00	6144	3072.00	374400	138000	HIPPI
7	Naval Oceanographic Office (NAVOCEANO)	IBM	SP Power3 375 MHz	Research	United States	2000	1417.00	1336	2004.00	374000		SP Switch
8	Osaka University	NEC	SX-5/128M8 3.2ns	Academic	Japan	2001	1192.00	128	1280.00	129536	10240	Crossbar
9	National Centers for Environmental Prediction	IBM	SP Power3 375 MHz	Research	United States	2000	1179.00	1104	1656.00			SP Switch
10	National Centers for Environmental Prediction	IBM	SP Power3 375 MHz	Research	United States	2001	1179.00	1104	1656.00			SP Switch
11	Government	Cray Inc.	T3E1200	Classified	United States	2001	1127.00	1900	2280.00	148800	28272	Cray Interconnect
12	Leibniz Rechenzentrum	Hitachi	SR8000-F1/112	Academic	Germany	2000	1035.00	112	1344.00	120000	15160	Crossbar
13	UCSD/San Diego Supercomputer Center	IBM	SP Power3 375 MHz 8 way	Academic	United States	2000	929.00	1152	1728.00	220000	62000	SP Switch
14	High Energy Accelerator Research Organization /KEK	Hitachi	SR8000-F1/100	Research	Japan	2000	917.00	100	1200.00	115000	15000	Crossbar
15	US Army HPC Research Center at NCS	Cray Inc.	T3E1200	Research	United States	2000	892.00	1084	1300.80			Cray Interconnect
16	ECMWF	Fujitsu	VPP5000/100	Research	United Kingdom	2000	886.00	100	960.00	195600	18000	Crossbar
17	University of Tokyo	Hitachi	SR8000/128	Academic	Japan	1999	873.00	128	1024.00	120000	16000	Crossbar
18	Maui High-Performance Computing Center (MHPCC)	IBM	SP Power3 375 MHz 16 way	Research	United States	2001	837.00	812	1218.00			SP Switch
19	Government	Cray Inc.	T3E900	Classified	United States	1997	815.00	1324	1191.60	134400	26880	Cray Interconnect
20	Charles Schwab	IBM	SP Power3 375 MHz	Industry	United States	2000	795.00	768	1152.00			SP Switch
21	Institute for Materials Research/Tohoku University	Hitachi	SR8000-G1/64	Academic	Japan	2001	790.70	64	921.60	110000	8504	Crossbar
22	North Carolina Supercomputing Center (NCSC)	IBM	SP Power3 375 MHz	Academic	United States	2000	741.00	720	1080.00			SP Switch
23	Oak Ridge National Laboratory	IBM	SP Power3 375 MHz	Research	United States	2000	723.00	704	1056.00	187000	37500	SP Switch
24	Japan Meteorological Agency	Hitachi	SR8000-E1/80	Research	Japan	2000	691.30	80	768.00	120000	9408	Crossbar
25	Los Alamos National Laboratory/ACL	SGI	ORIGIN 2000 250 MHz	Research	United States	1999	690.90	2048	1024.00	229248	80640	Crossbar
26	NCAR (National Center for Atmospheric Research)	IBM	SP Power3 375 MHz	Research	United States	2000	688.00	668	1002.00			SP Switch
27	Naval Oceanographic Office (NAVOCEANO)	Cray Inc.	T3E900	Research	United States	1999	675.00	1084	975.60			Cray Interconnect
28	CSAR at the University of Manchester	Cray Inc.	T3E1200	Academic	United Kingdom	2000	671.00	812	974.40			Cray Interconnect
29	Deutscher Wetterdienst	Cray Inc.	T3E1200	Research	Germany	1999	671.00	812	974.40			Cray Interconnect
30	NCSA	IBM	Netfinity Cluster PIII 1 GHz - Myrinet	Academic	United States	2001	594.00	1024	1024.00			Myrinet
31	University of Tokyo/Institute for Solid State Physics	Hitachi	SR8000-F1/60	Academic	Japan	2000	577.00	60	720.00	89000	10000	Crossbar
32	Kyushu University	Fujitsu	VPP5000/64	Academic	Japan	2000	563.00	64	614.40	235776	12288	Crossbar
33	Wright-Patterson Air Force Base/DoD ASC	IBM	SP Power3 375 MHz	Research	United States	2000	553.00	528	792.00			SP Switch
34	United Kingdom Meteorological Office	Cray Inc.	T3E900	Research	United Kingdom	1997	552.00	876	788.40			Cray Interconnect
35	Real World Computing (RWCP)/Tsukuba Research Center	Self-made	SCore III/PIII 933 MHz	Research	Japan	2001	547.90	1024	955.40	140000	24000	Myrinet
36	IBM	IBM	SP Power3 375 MHz 16 way	Vendor	United States	2000	546.00	512	768.00	148000	33000	SP Switch
37	Petroleum Company (G)	IBM	SP Power3 375 MHz 16 way	Industry	Saudia Arabia	2001	546.00	512	768.00	148000	33000	SP Switch
38	US Army Research Laboratory (ARL)	IBM	SP Power3 375 MHz 16 way	Research	United States	2000	546.00	512	768.00	148000	33000	SP Switch
39	United Kingdom Meteorological Office	Cray Inc.	T3E1200	Research	United Kingdom	1999	526.00	636	763.20			Cray Interconnect
40	NASA/Goddard Space Flight Center	Cray Inc.	T3E	Research	United States	2000	525.00	1356	813.60			Cray Interconnect
41	Sandia National Laboratories	Self-made	CPlant/Ross Cluster	Research	United States	2000	512.40	1000	932.00	142300		Myrinet
42	Hewlett-Packard	Hewlett-Packard	AlphaServer SC ES40/EV67	Vendor	United States	2000	507.60	512	682.66	200000	30000	Quadrics
43	Lawrence Livermore National Laboratory	Hewlett-Packard	AlphaServer SC ES40/EV67	Research	United States	2000	507.60	512	682.66	200000	30000	Quadrics

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
44	Centre Informatique National (CINES)	IBM	SP Power3 375 MHz	Academic	France	2001	494.00	472	708.00			SP Switch
45	Nagoya University	Fujitsu	VPP5000/56	Academic	Japan	1999	492.00	56	537.60	228480	12768	Crossbar
46	Kyoto University	Fujitsu	VPP800/63	Academic	Japan	1999	482.00	63	504.00	234360	12852	Crossbar
47	Lawrence Livermore National Laboratory	IBM	ASCI Blue-Pacific CTR, IBM SP 604e	Research	United States	1998	468.20	1344	892.40	205000	65000	SP Switch
48	Tsukuba Advanced Computing Center - TACC/AIST	Hitachi	SR8000/64	Research	Japan	1999	449.00	64	512.00	92000	9160	Crossbar
49	Cray Inc.	Cray Inc.	T3E1200	Vendor	United States	1998	447.00	540	648.00	181440	17280	Cray Interconnect
50	ERDC MSRC	Cray Inc.	T3E1200	Research	United States	1999	447.00	540	648.00	181440	17280	Cray Interconnect
51	Forschungszentrum Juelich (FZJ)	Cray Inc.	T3E1200	Research	Germany	1999	447.00	540	648.00	181440	17280	Cray Interconnect
52	Government	Cray Inc.	T3E1200	Classified	United States	1998	447.00	540	648.00	181440	17280	Cray Interconnect
53	Government	Cray Inc.	T3E1200	Classified	United States	2001	447.00	540	648.00	181440	17280	Cray Interconnect
54	NERSC/LBNL	Cray Inc.	T3E900	Research	United States	1997	444.00	692	622.80			Cray Interconnect
55	Financial Institution	IBM	SP Power3 375 MHz	Industry	Hong Kong	2000	441.00	424	636.00			SP Switch
56	Defense	Sun Microsystems	HPC 4500 400 MHz Cluster	Classified	Sweden	1999	420.44	896	716.80	144000	43200	N/A
57	Service Provider	Sun Microsystems	HPC 4500 400 MHz Cluster	Industry	United States	2000	420.44	896	716.80	144000	43200	N/A
58	Service Provider	Sun Microsystems	HPC 4500 400 MHz Cluster	Industry	United States	2000	420.44	896	716.80	144000	43200	N/A
59	Sun	Sun Microsystems	HPC 4500 400 MHz Cluster	Vendor	United States	2000	420.44	896	716.80	144000	43200	N/A
60	Sun	Sun Microsystems	HPC 4500 400 MHz Cluster	Vendor	United States	2000	420.44	896	716.80	144000	43200	N/A
61	Japan Atomic Energy Research Institute	SGI	ORIGIN 3000 500 MHz	Research	Japan	2001	405.60	512	512.00	230000		NUMAflex
62	SARA (Stichting Academisch Rekencentrum)	SGI	ORIGIN 3000 500 MHz	Academic	Netherlands	2000	405.60	512	512.00	230000		NUMAflex
63	SARA (Stichting Academisch Rekencentrum)	SGI	ORIGIN 3000 500 MHz	Academic	Netherlands	2000	405.60	512	512.00	230000		NUMAflex
64	Center for Computational Physics, Univ of Tsukuba	Hitachi/Tsukuba	CP-PACS/2048	Academic	Japan	1996	368.20	2048	614.40	103680	30720	Crossbar
65	Max-Planck-Gesellschaft MPI/IPP	Cray Inc.	T3E	Research	Germany	1997	355.00	812	487.20			Cray Interconnect
66	HWW/Universitaet Stuttgart	Cray Inc.	T3E900	Industry	Germany	1996	341.00	540	486.00			Cray Interconnect
67	Pittsburgh Supercomputing Center	Cray Inc.	T3E900	Academic	United States	1998	341.00	540	486.00			Cray Interconnect
68	Government	Cray Inc.	T3E1200	Classified	United States	1999	334.00	404	484.80			Cray Interconnect
69	University of Minnesota/Supercomputing Institute	IBM	SP Power3 375 MHz	Academic	United States	2000	330.00	322	483.00			SP Switch
70	Maui High-Performance Computing Center (MHPCC)	IBM	SP Power3 375 MHz	Research	United States	2000	327.00	320	480.00			SP Switch
71	Institute of Physical and Chemical Res. (RIKEN)	Fujitsu	VPP700/160E	Research	Japan	1999	319.00	160	384.00	168000	24000	Crossbar
72	ERDC MSRC	SGI	ORIGIN 3000 400 MHz	Research	United States	2001	315.50	512	409.60	130560	108800	Crossbar
73	NASA/Ames Research Center/NAS	SGI	ORIGIN 3000 400 MHz	Research	United States	2001	315.50	512	409.60	130560	108800	Crossbar
74	NASA/Ames Research Center/NAS	SGI	ORIGIN 3000 400 MHz	Research	United States	2001	315.50	512	409.60	130560	108800	Crossbar
75	Silicon Graphics	SGI	ORIGIN 3000 400 MHz	Vendor	United States	2001	315.50	512	409.60	130560	108800	Crossbar
76	US Army Research Laboratory (ARL)	SGI	ORIGIN 3000 400 MHz	Research	United States	2000	315.50	512	409.60	130560	108800	Crossbar
77	NERSC/LBNL	IBM	SP Power3 200 MHz	Research	United States	1999	310.30	604	483.20			SP Switch
78	Sandia National Laboratories	Self-made	CPiant/Siberia Cluster	Research	United States	1999	309.20	592	592.00	105700		Myrinet
79	ERDC MSRC	IBM	SP Power3 222 MHz	Research	United States	2000	307.60	512	454.60	148000	35000	SP Switch
80	CNRS/IDRIS	NEC	SX-5/40M3	Academic	France	2000	303.00	40	320.00			Crossbar
81	NASA/Ames Research Center/NAS	SGI	ORIGIN 2000 400 MHz	Research	United States	2000	300.20	512	409.60	130560	21216	Crossbar
82	Central Research Institute of Electric Power Industry/CRIEPI	Fujitsu	VPP5000/32	Research	Japan	2000	296.10	32	307.20	170880	7680	Crossbar
83	US Army Space and Missile Defense Command	IBM	SP Power3 375 MHz	Research	United States	2000	288.00	284	426.00			SP Switch
84	Meteo-France	Fujitsu	VPP5000/31	Research	France	1999	286.00	31	297.60			Crossbar
85	Maui High-Performance Computing Center (MHPCC)	IBM	Netfinity Cluster PIII 933 MHz - Myrinet	Research	United States	2001	285.00	520	485.16			Myrinet
86	CSC (Center for Scientific Computing)	Cray Inc.	T3E750	Academic	Finland	2000	284.00	540	405.00			Cray Interconnect

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
87	Institute for Molecular Science	Fujitsu	VPP5000/30	Research	Japan	2000	277.00	30	288.00			Crossbar
88	NCSA	SGI	ORIGIN 2000 195/250 MHz	Academic	United States	1998	264.90	1024	327.68			Crossbar
89	Oak Ridge National Laboratory	Hewlett-Packard	AlphaServer SC ES40/EV67	Research	United States	2000	263.60	256	341.33	106000	20000	Quadrics
90	Pittsburgh Supercomputing Center	Hewlett-Packard	AlphaServer SC ES40/EV67	Academic	United States	2000	263.60	256	341.33	106000	20000	Quadrics
91	Purdue University	IBM	SP Power3 375 MHz	Academic	United States	2000	257.00	256	384.00	148000	24000	SP Switch
92	Meteorological Research Institute/JMA	Hitachi	SR8000/36	Research	Japan	1999	255.00	36	288.00	69000	5968	Crossbar
93	ZIB/Konrad Zuse-Zentrum fuer Informationstechnik	Cray Inc.	T3E900	Academic	Germany	1999	253.00	404	363.60			Cray Interconnect
94	Chemical Company	IBM	SP PC604e 332 MHz	Industry	Germany	2000	250.00	716	475.40			SP Switch
95	Tohoku University	NEC	SX-4/128H4	Academic	Japan	1997	244.00	128	256.00			Crossbar
96	Tohoku University, Institute of Fluid Science	SGI	ORIGIN 2000 300 MHz	Academic	Japan	2000	241.40	640	384.00	147456	33984	Crossbar
97	NASA/Ames Research Center/NAS	SGI	ORIGIN 2000 300 MHz	Research	United States	1999	241.40	512	307.20	147456	33984	Crossbar
98	Bureau of Meteorology / CSIRO HPCCC	NEC	SX-5/32M2	Research	Australia	2000	241.40	32	256.00	55296		Crossbar
99	Meteorological Service of Canada (MSC)	NEC	SX-5/32M2	Research	Canada	1999	241.40	32	256.00	55296		Crossbar
100	National Research Institute for Metals	NEC	SX-5/32H2	Research	Japan	2000	241.40	32	256.00	55296		Crossbar
101	University of New Mexico	IBM	LosLobos	Academic	United States	2000	237.00	512	375.30	150000	20000	Fast Ethernet
102	Government	Cray Inc.	T3E1200	Classified	United States	1999	235.00	284	340.80			Cray Interconnect
103	IBM Thomas J. Watson Research Center	IBM	SP Power3 375 MHz	Research	United States	2001	234.00	232	348.00			SP Switch
104	Cray Inc.	Cray Inc.	T3E	Vendor	United States	1997	234.00	540	324.00	86400	14400	Cray Interconnect
105	Forschungszentrum Juelich (FZJ)	Cray Inc.	T3E	Research	Germany	1996	234.00	540	324.00	86400	14400	Cray Interconnect
106	National Aerospace Laboratory of Japan	Fujitsu	Numerical Wind Tunnel	Research	Japan	1996	229.00	167	281.26	66132	18018	Crossbar
107	Hokkaido University	Hitachi	SR8000/32	Academic	Japan	2000	229.00	32	256.00	65000	5632	Crossbar
108	CINECA	Cray Inc.	T3E1200	Academic	Italy	1999	221.77	268	321.60			Cray Interconnect
109	University of Edinburgh	Cray Inc.	T3E900	Academic	United Kingdom	1997	218.00	348	313.20			Cray Interconnect
110	ECMWF	Fujitsu	VPP700/116	Research	United Kingdom	1997	213.00	116	255.20	111360	18560	Crossbar
111	Chemical Company	IBM	SP Power3 375 MHz	Industry	Germany	2000	212.00	210	315.00			SP Switch
112	Korea Meteorological Administration	NEC	SX-5/28M2	Research	Korea, South	2000	212.00	28	224.00			Crossbar
113	Commissariat a l'Energie Atomique (CEA)	Hewlett-Packard	AlphaServer SC ES40/EV67	Research	France	1999	211.00	232	309.33	120000		Quadrics
114	Sobeys Canada	IBM	SP PC604e 332 MHz	Industry	Canada	2000	210.20	512	339.90	100000	20872	SP Switch
115	Japan Atomic Energy Research Institute	SGI	ORIGIN 3000 500 MHz	Research	Japan	2001	210.20	256	256.00	163000		NUMAflex
116	Japan Atomic Energy Research/Tokai Research Establishment	Hitachi	SR8000-F1/20	Research	Japan	2001	206.00	20	240.00	68000	4440	Crossbar
117	University of Alaska - ARSC	IBM	SP Power3 375 MHz	Academic	United States	2001	203.00	200	300.00			SP Switch
118	Hewlett-Packard	Hewlett-Packard	V2600/HyperPlex	Vendor	United States	2000	196.00	256	563.20			Myrinet
119	Forecast Systems Laboratory - NOAA	HPTi	ACL-276 667 MHz	Research	United States	1999	196.00	276	368.00	80000		Myrinet
120	PIK	IBM	SP Power3 375 MHz 4/16 way	Research	Germany	2000	190.20	200	300.00			SP Switch
121	American Airlines	Hewlett-Packard	V2500/HyperPlex	Industry	United States	1999	189.30	320	563.20			Myrinet
122	NEC Fuchu Plant	NEC	SX-5/24M2	Vendor	Japan	2001	183.00	24	192.00			Crossbar
123	Air Force Weather Agency	IBM	SP PC604e 332 MHz	Research	United States	1999	181.00	440	292.10			SP Switch
124	Pacific Northwest National Laboratory	IBM	SP P2SC 120/135 MHz	Research	United States	1998	180.91	512	248.32	62000		SP Switch
125	Cambridge University	IBM	SP Power3 375 MHz	Academic	United Kingdom	2001	171.00	168	252.00			SP Switch
126	DeTeCSM	IBM	SP Power3 375 MHz	Industry	Germany	2001	171.00	168	252.00			SP Switch
127	Deutsche Telekom AG	IBM	SP Power3 375 MHz	Industry	Germany	2000	171.00	168	252.00			SP Switch
128	Florida State University	IBM	SP Power3 375 MHz	Academic	United States	2000	171.00	168	252.00			SP Switch
129	National Center for High Performance Computing	IBM	SP Power3 375 MHz	Academic	Taiwan	2000	171.00	168	252.00			SP Switch

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
130	Network Computing Services, Inc.	Cray Inc.	T3E900	Industry	United States	1997	169.00	268	241.20			Cray Interconnect
131	University of Alaska - ARSC	Cray Inc.	T3E900	Academic	United States	1999	169.00	268	241.20			Cray Interconnect
132	Metro MGI Informatik	IBM	SP S80s 450 MHz	Industry	Germany	2000	167.80	510	459.00	113000	31000	N/A
133	Australian Partnership for Advanced Computing (APAC)	Hewlett-Packard	AlphaServer SC ES40/EV67	Academic	Australia	2001	167.50	184	245.33	99900	22500	Quadrics
134	Air Force Weather Agency	IBM	SP Power3 375 MHz	Research	United States	2000	164.00	160	240.00			SP Switch
135	Automotive Manufacturer (C)	IBM	SP Power3 375 MHz	Industry	United States	2001	164.00	160	240.00			SP Switch
136	Gesellschaft fuer wissenschaftliche Datenverarbeitung	IBM	SP Power3 375 MHz	Academic	Germany	2000	164.00	160	240.00			SP Switch
137	Philip Morris	IBM	SP Power3 375 MHz	Industry	United States	2000	164.00	160	240.00			SP Switch
138	Government	SGI	ORIGIN 3000 400 MHz	Classified	United States	2001	163.50	256	204.80	163200	81920	Crossbar
139	Silicon Graphics	SGI	ORIGIN 3000 400 MHz	Vendor	United States	2001	163.50	256	204.80	163200	81920	Crossbar
140	Bank Administration Institute (BAI)	IBM	SP PC604e 332 MHz	Industry	United States	2000	163.00	396	262.80			SP Switch
141	BCDI	IBM	SP PC604e 332 MHz	Industry	United States	2000	162.00	392	260.20			SP Switch
142	Metallurgical Industry Co.	IBM	SP PC604e 332 MHz	Industry	United States	2000	162.00	392	260.20			SP Switch
143	Support Net Inc	IBM	SP Power3 375 MHz	Industry	United States	2000	160.00	156	234.00			SP Switch
144	Seoul National University	IBM	SP Power3 375 MHz 16 way	Academic	Korea, South	2000	156.00	144	216.00			SP Switch
145	Wright-Patterson Air Force Base/DoD ASC	SGI	ORIGIN 2000	Research	United States	1999	152.00	512	199.68			Crossbar
146	State Farm	IBM	SP Power3 200 MHz	Industry	United States	1999	151.50	260	208.00			SP Switch
147	NOAA/Geophysical Fluid Dynamics Laboratory (GFDL)	SGI	ORIGIN 3000 400 MHz - Eth-Cluster	Research	United States	2001	151.20	1152	921.60			Ethernet
148	BASF	IBM	SP PC604e 332 MHz	Industry	Germany	2000	151.00	364	241.60			SP Switch
149	Tsukuba Advanced Computing Center - TACC/AIST	IBM	SP Power3 200 MHz	Research	Japan	1999	149.30	256	204.80	100000	18500	SP Switch
150	Victorian Partnership for Advanced Computing (VPAC)	Hewlett-Packard	AlphaServer SC40, 833 MHz	Academic	Australia	2001	149.10	128	213.20	70000		Quadrics
151	Prudential Insurance	IBM	SP Power3 375 MHz	Industry	United States	2000	148.00	144	216.00			SP Switch
152	University of Manchester	IBM	SP Power3 375 MHz	Academic	United Kingdom	2001	148.00	144	216.00			SP Switch
153	Manufacturing Company	IBM	SP Power3 375 MHz	Industry	Japan	2000	146.00	142	213.00			SP Switch
154	Institute of Statistical Mathematics	Hitachi	SR8000/20	Research	Japan	1999	144.00	20	160.00	48000	4000	Crossbar
155	Technische Universitaet Chemnitz	Self-made	CLIC PIII 800 MHz	Academic	Germany	2000	143.30	530	424.00	150000		Fast Ethernet
156	Norwegian University of Science and Technology	SGI	ORIGIN 3000 400 MHz	Academic	Norway	2001	141.00	220	176.00			Crossbar
157	Mississippi State University	SGI	SGI 1100 Cluster PIII 1GHz	Academic	United States	2001	140.50	330	330.00			Fast Ethernet
158	Chemical Company	IBM	SP S80s 450 MHz	Industry	Germany	2000	139.00	294	264.60			N/A
159	Commissariat a l'Energie Atomique (CEA)	Fujitsu	VPP5000/15	Research	France	1999	139.00	15	144.00			Crossbar
160	Taiwan Central Weather Bureau & CAA	Fujitsu	VPP5000/15	Research	Taiwan	1999	139.00	15	144.00			Crossbar
161	BMW AG	Hewlett-Packard	V2500/HyperPlex	Industry	Germany	2000	138.90	192	337.92			Myrinet
162	DeTeCSM	IBM	SP PC604e 332 MHz	Industry	Germany	2000	138.00	452	300.10			SP Switch
163	DeTeCSM	IBM	SP PC604e 332 MHz	Industry	Germany	2000	138.00	452	300.10			SP Switch
164	CINECA	IBM	SP Power3 375 MHz 16 way	Academic	Italy	2000	138.00	128	192.00	76000	16000	SP Switch
165	SARA (Stichting Academisch Rekencentrum)	IBM	SP Power3 375 MHz 16 way	Academic	Netherlands	2001	138.00	128	192.00	76000	16000	SP Switch
166	University of Victoria	IBM	SP Power3 375 MHz 16 way	Academic	Canada	2001	138.00	128	192.00	76000	16000	SP Switch
167	Bank	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	137.10	256	204.80			N/A
168	Clearstream Services	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Luxembourg	2000	137.10	256	204.80			N/A
169	E-commerce	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	137.10	256	204.80			N/A
170	Ford Motor Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	137.10	256	204.80			N/A
171	GTE Communications	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	137.10	256	204.80			N/A
172	GTE Communications	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	137.10	256	204.80			N/A

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
173	MobilCom	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Germany	2001	137.10	256	204.80			N/A
174	MobilCom	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Germany	2001	137.10	256	204.80			N/A
175	Motorola	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	137.10	256	204.80			N/A
176	New York City - Human Resources	Sun Microsystems	HPC 10000 400 MHz Cluster	Government	United States	1999	137.10	256	204.80			N/A
177	Sun	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	137.10	256	204.80			N/A
178	US Army Research Laboratory (ARL)	Sun Microsystems	HPC 10000 400 MHz Cluster	Research	United States	1999	137.10	256	204.80			N/A
179	Kaiser Foundation	IBM	SP Power3 375 MHz	Industry	United States	2000	136.00	132	198.00			SP Switch
180	IBM Credit Corporation	IBM	SP PC604e 332 MHz	Industry	United States	2000	133.00	320	212.40			SP Switch
181	IBM Thomas J. Watson Research Center	IBM	SP PC604e 332 MHz	Research	United States	2000	133.00	320	212.40			SP Switch
182	Academia Sinica	IBM	SP Power3 375 MHz	Research	Taiwan	2001	132.00	128	192.00	107000	15400	SP Switch
183	CSC (Center for Scientific Computing)	IBM	SP Power3 375 MHz	Academic	Finland	2000	132.00	128	192.00	107000	15400	SP Switch
184	Caltech	IBM	SP Power3 375 MHz	Academic	United States	2000	132.00	128	192.00	107000	15400	SP Switch
185	IBM	IBM	SP Power3 375 MHz	Vendor	United States	2000	132.00	128	192.00	107000	15400	SP Switch
186	Princeton University	IBM	SP Power3 375 MHz	Academic	United States	2000	132.00	128	192.00	107000	15400	SP Switch
187	Scientific Supercomputing Center Karlsruhe	IBM	SP Power3 375 MHz	Academic	Germany	2000	132.00	128	192.00	107000	15400	SP Switch
188	Centre Informatique National (CINES)	SGI	ORIGIN 3000 500 MHz	Academic	France	2000	132.00	160	160.00			NUMAflex
189	Telecom Denmark (Danadata)	IBM	SP Power3 375 MHz	Industry	Denmark	2000	130.00	126	189.00			SP Switch
190	Brigham Young University	IBM	SP Power3 375 MHz	Academic	United States	2001	128.00	124	186.00			SP Switch
191	DeTeCSM	IBM	SP Power3 375 MHz	Industry	Germany	2001	128.00	124	186.00			SP Switch
192	Paine Webber	IBM	SP Power3 375 MHz	Industry	United States	2000	128.00	124	186.00			SP Switch
193	British Airways	IBM	SP PC604e 332 MHz	Industry	United Kingdom	1999	126.00	302	200.50			SP Switch
194	Frontier Research System for Global Change	NEC	SX-5/16A	Research	Japan	1999	125.80	16	128.00	55296		Crossbar
195	GSIC Center, Tokyo Institute of Technology	NEC	SX-5/16A	Academic	Japan	1999	125.80	16	128.00	55296		Crossbar
196	ONERA	NEC	SX-5/16A	Research	France	1999	125.80	16	128.00	55296		Crossbar
197	Tohoku University, Institute of Fluid Science	NEC	SX-5/16A	Academic	Japan	1999	125.80	16	128.00	55296		Crossbar
198	IBM Thomas J. Watson Research Center	IBM	SP Power3 200 MHz	Research	United States	2000	124.40	212	169.60			SP Switch
199	Philips Lighting	IBM	SP PC604e 332 MHz	Industry	Netherlands	2000	124.00	298	197.80			SP Switch
200	Barclays Bank	IBM	SP Power3 375 MHz	Industry	United Kingdom	2001	124.00	120	180.00			SP Switch
201	Geco-Prakla	IBM	SP Power3 375 MHz	Industry	United States	2000	124.00	120	180.00			SP Switch
202	Western Geophysical	IBM	SP Power3 375 MHz	Industry	United Kingdom	2000	124.00	120	180.00			SP Switch
203	Hospital for Sick Children/University of Toronto	SGI	ORIGIN 3000 400 MHz	Research	Canada	2001	124.00	192	153.60			Crossbar
204	VW (Volkswagen AG)	Hewlett-Packard	SuperDome/N4000/HyperPlex	Industry	Germany	2000	123.00	120	264.00			Myrinet
205	Banque National Paris	IBM	SP PC604e 332 MHz	Industry	France	2000	122.00	292	193.80			SP Switch
206	Indiana University	IBM	SP Power3 375 MHz	Academic	United States	2000	122.00	118	177.00			SP Switch
207	Meteorological Service of Canada (MSC)	NEC	SX-4/64M2	Research	Canada	1999	122.00	64	128.00	30080	4352	Crossbar
208	National Institute for Fusion Science	NEC	SX-4/64M2	Research	Japan	1997	122.00	64	128.00	30080	4352	Crossbar
209	Financial Services	Sun Microsystems	HPC 420 400 MHz Cluster	Industry	United States	2000	121.90	180	144.00			N/A
210	DaimlerChrysler	Hewlett-Packard	N4000 550 MHz/HyperPlex	Industry	United States	2000	121.60	176	387.20			Myrinet
211	Centre Informatique National (CINES)	SGI	ORIGIN 2000 300 MHz	Academic	France	1999	121.00	256	153.60			Crossbar
212	GSIC Center, Tokyo Institute of Technology	SGI	ORIGIN 2000 300 MHz	Academic	Japan	2000	121.00	256	153.60			Crossbar
213	Institute for Molecular Science/ Okazaki Nat. Res. Institute	SGI	ORIGIN 2000 300 MHz	Research	Japan	2000	121.00	256	153.60			Crossbar
214	HWW/Universitaet Stuttgart	NEC	SX-5/32Me2	Industry	Germany	2000	121.00	32	128.00			Crossbar
215	American Airlines	Hewlett-Packard	SuperDome/HyperPlex	Industry	United States	2000	120.80	96	211.20			Myrinet

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
216	Alcatel	IBM	SP PC604e 332 MHz	Industry	France	2000	120.00	288	191.30			SP Switch
217	Equifax	IBM	SP Power3 375 MHz	Industry	United States	2001	120.00	116	174.00			SP Switch
218	Airline	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United Kingdom	2000	118.16	192	153.60			N/A
219	Bank	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Italy	2000	118.16	192	153.60			N/A
220	Bank	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Germany	2000	118.16	192	153.60			N/A
221	BellSouth	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	118.16	192	153.60			N/A
222	Chase GlobalNet	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	118.16	192	153.60			N/A
223	Financial Services	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United Kingdom	2000	118.16	192	153.60			N/A
224	Gateway	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	118.16	192	153.60			N/A
225	Rakuten	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Japan	2000	118.16	192	153.60			N/A
226	Telecommunication Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Japan	2000	118.16	192	153.60			N/A
227	EDS	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	118.10	192	153.60			N/A
228	Telecel Radiomovil Dipsa	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Mexico	2000	118.10	192	153.60			N/A
229	CNRS/IDRIS	Cray Inc.	T3E	Academic	France	1996	117.00	268	160.80			Cray Interconnect
230	Government	Cray Inc.	T3E	Classified	United States	1997	117.00	268	160.80			Cray Interconnect
231	National Supercomputer Centre (NSC)	Cray Inc.	T3E	Academic	Sweden	1997	117.00	268	160.80			Cray Interconnect
232	UCSD/San Diego Supercomputer Center	Cray Inc.	T3E	Academic	United States	1996	117.00	268	160.80			Cray Interconnect
233	Automotive Manufacturer (F)	IBM	SP Power3 375 MHz	Industry	Italy	2001	116.00	112	168.00			SP Switch
234	Geco-Prakla	IBM	SP Power3 375 MHz	Industry	United States	2000	116.00	112	168.00			SP Switch
235	HSCB	IBM	SP Power3 375 MHz	Industry	United Kingdom	2001	116.00	112	168.00			SP Switch
236	PGS	IBM	SP Power3 375 MHz	Industry	United States	2001	116.00	112	168.00			SP Switch
237	ThyssenKrupp Information Systems	IBM	SP Power3 375 MHz	Industry	Germany	2000	116.00	112	168.00			SP Switch
238	National Institute for Water and Atmospheric Resea	Cray Inc.	T3E1200	Research	New Zealand	1999	115.90	140	168.00			Cray Interconnect
239	HWW/Universitaet Stuttgart & DLR	Hitachi	SR8000/16	Industry	Germany	2000	115.00	16	128.00	42928	3584	Crossbar
240	Government	Cray Inc.	T3E1350	Classified	United States	2000	113.90	148	199.80			Cray Interconnect
241	Phillips Petroleum Company	Cray Inc.	T3E1350	Industry	United States	2000	113.90	132	178.20			Cray Interconnect
242	Sprint PCS	IBM	SP PC604e 332 MHz	Industry	United States	1999	112.00	268	177.90			SP Switch
243	Philip Morris	IBM	SP Power3 375 MHz	Industry	United States	2001	112.00	108	162.00			SP Switch
244	Japan Adv. Inst. of Science and Technology (JAIST)	Cray Inc.	T3E1200	Academic	Japan	2001	110.90	134	160.80			Cray Interconnect
245	University of Adelaide	Sun Microsystems	HPC 420 450 MHz Cluster	Academic	Australia	2000	110.01	160	144.00			N/A
246	Manufacturing Company	IBM	SP Power3 375 MHz	Industry	United States	2000	110.00	106	159.00			SP Switch
247	Atomic Weapons Establishment	IBM	SP P2SC 160 MHz	Classified	United Kingdom	1999	109.90	252	161.20			SP Switch
248	Ford Motor Company	SGI	ORIGIN 2000 300 MHz - Eth-Cluster	Industry	United States	1999	109.50	384	230.40	81920	81920	Ethernet
249	University of Tokyo/Institute for Solid State Physics	SGI	ORIGIN 2000 300 MHz - Eth-Cluster	Academic	Japan	1999	109.50	384	230.40	81920	81920	Ethernet
250	ThyssenKrupp Information Systems	IBM	SP PC604e 332 MHz	Industry	Germany	2000	109.00	260	172.60			SP Switch
251	BASF	IBM	SP PC604e 332 MHz	Industry	Germany	1998	108.10	256	169.98	81460	14180	SP Switch
252	Japan Adv. Inst. of Science and Technology (JAIST)	IBM	SP PC604e 332 MHz	Academic	Japan	1999	108.10	256	169.98	81460	14180	SP Switch
253	NOAA/Geophysical Fluid Dynamics Laboratory (GFDL)	Cray Inc.	T3E900	Research	United States	2001	107.00	172	154.80			Cray Interconnect
254	CINECA	SGI	ORIGIN 3000 500 MHz	Academic	Italy	2001	106.90	128	128.00	81920		NUMAflex
255	Naval Research Laboratory (NRL)	SGI	ORIGIN 3000 500 MHz	Research	United States	2001	106.90	128	128.00	81920		NUMAflex
256	Leibniz Rechenzentrum	Fujitsu	VPP700/52	Academic	Germany	1998	106.00	52	114.40			Crossbar
257	Mannesmann Mobilfunk	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Germany	2000	105.32	168	134.40			N/A
258	CIGNA	IBM	SP Power3 375 MHz	Industry	United States	2001	104.00	100	150.00			SP Switch

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
259	EDINFOR	IBM	SP Power3 375 MHz	Industry	Portugal	2001	104.00	100	150.00			SP Switch
260	HSCB	IBM	SP Power3 375 MHz	Industry	United Kingdom	2001	104.00	100	150.00			SP Switch
261	TRW	IBM	SP Power3 375 MHz	Industry	United States	2000	104.00	100	150.00			SP Switch
262	Energy Company	IBM	SP Power3 375 MHz 16 way	Industry	United States	2001	104.00	96	144.00			SP Switch
263	Petroleum Company (G)	IBM	SP Power3 375 MHz 16 way	Industry	Saudia Arabia	2001	104.00	96	144.00			SP Switch
264	Manufacturing Company	IBM	SP PC604e 332 MHz	Industry	United States	1999	103.00	246	163.34			SP Switch
265	DaimlerChrysler	Hewlett-Packard	N4000 550 MHz/HyperPlex	Industry	United States	2001	102.80	144	316.80			Myrinet
266	Deutsche Telekom AG	IBM	SP PC604e 332 MHz	Industry	Germany	1999	102.00	242	160.68			SP Switch
267	OEDIV OETKER	IBM	SP Power3 375 MHz	Industry	Germany	2001	102.00	98	147.00			SP Switch
268	NASA/Ames Research Center/NAS	SGI	ORIGIN 2000 250 MHz	Research	United States	1998	101.40	256	128.00	86400	13248	Crossbar
269	Hitachi Mechanical Engineering Res. Lab.	Hitachi	SR8000-G1/8	Industry	Japan	2001	101.30	8	115.20	44000	2432	Crossbar
270	SHARCNET - McMaster University	Hewlett-Packard	AlphaServer SC ES40/EV67	Academic	Canada	2001	101.20	96	128.00	96000	10000	Quadrics
271	Government	Cray Inc.	T3D MC1024-8	Classified	United States	1994	100.50	1024	153.60	81920	10224	Cray Interconnect
272	Ahold	IBM	SP Power3 375 MHz	Industry	United States	2001	100.00	96	144.00			SP Switch
273	BRS STF	IBM	SP Power3 375 MHz	Industry	United States	2000	100.00	96	144.00			SP Switch
274	Barclays Bank	IBM	SP Power3 375 MHz	Industry	United Kingdom	2001	100.00	96	144.00			SP Switch
275	Barclays Bank	IBM	SP Power3 375 MHz	Industry	United Kingdom	2001	100.00	96	144.00			SP Switch
276	DaimlerChrysler	IBM	SP Power3 375 MHz	Industry	Germany	2000	100.00	96	144.00			SP Switch
277	Energy Company	IBM	SP Power3 375 MHz	Industry	United States	2001	100.00	96	144.00			SP Switch
278	IGS/CRM	IBM	SP Power3 375 MHz	Industry	United States	2001	100.00	96	144.00			SP Switch
279	Southwestern Bell	IBM	SP Power3 375 MHz	Industry	United States	2001	100.00	96	144.00			SP Switch
280	Telecom Denmark (Danadata)	IBM	SP Power3 375 MHz	Industry	Denmark	2000	100.00	96	144.00			SP Switch
281	Telekom Austria	IBM	SP Power3 375 MHz	Industry	Austria	2000	100.00	96	144.00			SP Switch
282	United Airlines	IBM	SP Power3 375 MHz	Industry	United States	2001	100.00	96	144.00			SP Switch
283	Universitaet Wuppertal	Hewlett-Packard	ALICE EV67 616 MHz	Academic	Germany	2000	99.20	128	157.70	57024	15488	Myrinet
284	SARA (Stichting Academisch Rekencentrum)	SGI	ORIGIN 2000 250/300 MHz - Eth-Cluster	Academic	Netherlands	2000	98.80	256	140.00	81920		Ethernet
285	FT USEI	IBM	SP Power3 375 MHz	Industry	France	2000	98.20	94	141.00			SP Switch
286	Sony Electronics	IBM	SP Power3 375 MHz	Industry	United States	2001	98.20	94	141.00			SP Switch
287	Chase Manhattan	IBM	SP PC604e 332 MHz	Industry	United States	1999	98.00	232	154.04			SP Switch
288	ECMWF	Fujitsu	VPP700/48E	Research	United Kingdom	1998	97.50	48	115.20			Crossbar
289	Universitaet Tuebingen	Self-made	Kepler PIII 650 MHz	Academic	Germany	2000	96.20	196	127.40	109760	12320	Fast Ethernet
290	British Airways	IBM	SP Power3 375 MHz	Industry	United Kingdom	2001	96.10	92	138.00			SP Switch
291	SCT Velizy	IBM	SP Power3 375 MHz	Industry	France	2001	96.10	92	138.00			SP Switch
292	SCT Velizy	IBM	SP Power3 375 MHz	Industry	France	2001	96.10	92	138.00			SP Switch
293	ThyssenKrupp Information Systems	IBM	SP PC604e 332 MHz	Industry	Germany	2000	95.40	226	150.06			SP Switch
294	ERDC MSRC	IBM	SP P2SC 135 MHz	Research	United States	1997	94.19	256	138.24			SP Switch
295	Wright-Patterson Air Force Base/DoD ASC	IBM	SP P2SC 135 MHz	Research	United States	1997	94.19	256	138.24			SP Switch
296	Government	SGI	ORIGIN 2000 250 MHz - Eth-Cluster	Classified	United States	1999	92.99	256	128.00	81920	81920	Ethernet
297	Government	SGI	ORIGIN 2000 250 MHz - Eth-Cluster	Classified	United States	1999	92.99	256	128.00	81920	81920	Ethernet
298	Government	SGI	ORIGIN 2000 250 MHz - Eth-Cluster	Classified	United States	1999	92.99	256	128.00	81920	81920	Ethernet
299	GWA Web	IBM	SP PC604e 332 MHz	Industry	United States	2000	92.10	218	144.75			SP Switch
300	Digital Insight	IBM	SP Power3 375 MHz	Industry	United States	2000	92.10	88	132.00			SP Switch
301	Finance Company	IBM	SP Power3 375 MHz	Industry	Japan	2000	92.10	88	132.00			SP Switch

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
302	Western Geophysical	IBM	SP Power3 375 MHz	Industry	United States	2000	92.10	88	132.00			SP Switch
303	US Army Space and Missile Defense Command/Simulation Center	SGI	ORIGIN 2000 300 MHz	Research	United States	2001	92.10	192	115.20			Crossbar
304	Alestra	Hewlett-Packard	SuperDome	Industry	United States	2001	90.90	64	140.80			N/A
305	Arnold Engineering Development Center (AEDC)	Hewlett-Packard	SuperDome	Research	United States	2001	90.90	64	140.80			N/A
306	DaimlerChrysler	Hewlett-Packard	SuperDome	Industry	United States	2001	90.90	64	140.80			N/A
307	Government	Hewlett-Packard	SuperDome	Classified	United States	2001	90.90	64	140.80			N/A
308	Government	Hewlett-Packard	SuperDome	Classified	Germany	2001	90.90	64	140.80			N/A
309	Government	Hewlett-Packard	SuperDome	Classified	United States	2001	90.90	64	140.80			N/A
310	Government	Hewlett-Packard	SuperDome	Classified	United States	2001	90.90	64	140.80			N/A
311	Government	Hewlett-Packard	SuperDome	Classified	United States	2001	90.90	64	140.80			N/A
312	Government	Hewlett-Packard	SuperDome	Classified	United States	2001	90.90	64	140.80			N/A
313	Government	Hewlett-Packard	SuperDome	Classified	United States	2001	90.90	64	140.80			N/A
314	Government	Hewlett-Packard	SuperDome	Classified	Germany	2001	90.90	64	140.80			N/A
315	Government	Hewlett-Packard	SuperDome	Classified	United States	2001	90.90	64	140.80			N/A
316	Government	Hewlett-Packard	SuperDome	Classified	United States	2001	90.90	64	140.80			N/A
317	Hewlett-Packard	Hewlett-Packard	SuperDome	Vendor	United States	2001	90.90	64	140.80			N/A
318	POSDATA	Hewlett-Packard	SuperDome	Industry	Korea, South	2001	90.90	64	140.80			N/A
319	POSDATA	Hewlett-Packard	SuperDome	Industry	Korea, South	2001	90.90	64	140.80			N/A
320	Qwest	Hewlett-Packard	SuperDome	Industry	United States	2001	90.90	64	140.80			N/A
321	Qwest	Hewlett-Packard	SuperDome	Industry	United States	2001	90.90	64	140.80			N/A
322	TSMC	Hewlett-Packard	SuperDome	Industry	Taiwan	2001	90.90	64	140.80			N/A
323	Talk America	Hewlett-Packard	SuperDome	Industry	United States	2001	90.90	64	140.80			N/A
324	Talk America	Hewlett-Packard	SuperDome	Industry	United States	2001	90.90	64	140.80			N/A
325	US Navy	Hewlett-Packard	SuperDome	Classified	United States	2001	90.90	64	140.80			N/A
326	US Navy	Hewlett-Packard	SuperDome	Classified	United States	2001	90.90	64	140.80			N/A
327	Universitaet Magdeburg	Hewlett-Packard	SuperDome	Academic	Germany	2001	90.90	64	140.80			N/A
328	Government	Cray Inc.	T3E750	Classified	United States	1997	89.80	172	129.00			Cray Interconnect
329	Finance Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	89.69	144	115.20			N/A
330	Finance Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	89.69	144	115.20			N/A
331	Government	SGI	ORIGIN 2000 250 MHz - Eth-Cluster	Classified	United States	1998	89.00	512	256.00			Ethernet
332	Government	SGI	ORIGIN 2000 250 MHz - Eth-Cluster	Classified	United States	1999	89.00	256	128.00			Ethernet
333	Government	SGI	ORIGIN 2000 250 MHz - Eth-Cluster	Classified	United States	1999	89.00	256	128.00			Ethernet
334	Government	SGI	ORIGIN 2000 250 MHz - Eth-Cluster	Classified	United States	1999	89.00	256	128.00			Ethernet
335	Government	SGI	ORIGIN 2000 250 MHz - Eth-Cluster	Classified	United States	1999	89.00	256	128.00			Ethernet
336	Whirlpool	IBM	SP PC604e 332 MHz	Industry	United States	1999	88.70	210	139.44			SP Switch
337	British Airways	IBM	SP Power3 375 MHz	Industry	United Kingdom	2000	88.00	84	126.00			SP Switch
338	University of Sherbrooke	IBM	SP Power3 375 MHz	Academic	Canada	2001	88.00	84	126.00			SP Switch
339	First USA	IBM	SP PC604e 332 MHz	Industry	United States	1999	87.90	208	138.11			SP Switch
340	Environmental Protection Agency	Cray Inc.	T3E1200	Research	United States	2001	87.80	116	139.20			Cray Interconnect
341	Agriculture, Forestry and Fisheries Research Council	SGI	ORIGIN 3000 400 MHz	Research	Japan	2001	87.80	132	105.60			Crossbar
342	Wright-Patterson Air Force Base/DoD ASC	Hewlett-Packard	AlphaServer GS320 731 MHz	Research	United States	2000	87.51	128	187.00	110000	20000	Proprietary
343	Johns Hopkins University	IBM	SP Power3 375 MHz 16 way	Academic	United States	2001	87.40	80	120.00			SP Switch
344	BMW AG	IBM	SP PC604e 332 MHz	Industry	Germany	2000	87.00	206	136.78			SP Switch

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
345	State of Ohio	IBM	SP PC604e 332 MHz	Government	United States	2000	87.00	206	136.78			SP Switch
346	CSAR at the University of Manchester	SGI	ORIGIN 3000 400 MHz	Academic	United Kingdom	2001	85.44	128	102.40	65536		Crossbar
347	Fleet Numerical Meteorology and Oceanography Center	SGI	ORIGIN 3000 400 MHz	Research	United States	2000	85.44	128	102.40	65536		Crossbar
348	Johannes Kepler University of Linz	SGI	ORIGIN 3000 400 MHz	Academic	Austria	2000	85.44	128	102.40	65536		Crossbar
349	Silicon Graphics	SGI	ORIGIN 3000 400 MHz	Vendor	United States	2000	85.44	128	102.40	65536		Crossbar
350	Stanford University/Biomedical Computational Facility	SGI	ORIGIN 3000 400 MHz	Academic	United States	2001	85.44	128	102.40	65536		Crossbar
351	Technische Universitaet Dresden	SGI	ORIGIN 3000 400 MHz	Academic	Germany	2001	85.44	128	102.40	65536		Crossbar
352	UK Astrophysical Fluids Facility/University of Leicester	SGI	ORIGIN 3000 400 MHz	Academic	United Kingdom	2000	85.44	128	102.40	65536		Crossbar
353	US Army Research Laboratory (ARL)	SGI	ORIGIN 3000 400 MHz	Research	United States	2000	85.44	128	102.40	65536		Crossbar
354	US Army Research Laboratory (ARL)	SGI	ORIGIN 3000 400 MHz	Research	United States	2000	85.44	128	102.40	65536		Crossbar
355	University of Minnesota/Supercomputing Institute	SGI	ORIGIN 3000 400 MHz	Academic	United States	2001	85.44	128	102.40	65536		Crossbar
356	BMW AG	Hewlett-Packard	N4000 440 MHz/HyperPlex	Industry	Germany	2000	84.90	128	225.28			Myrinet
357	Aetna Life Insurance	IBM	SP PC604e 332 MHz	Industry	United States	1999	84.50	200	132.80			SP Switch
358	Prudential Insurance	IBM	SP PC604e 332 MHz	Industry	United States	1999	84.50	200	132.80			SP Switch
359	Sprint	IBM	SP PC604e 332 MHz	Industry	United States	1999	84.50	200	132.80			SP Switch
360	Sprint	IBM	SP PC604e 332 MHz	Industry	United States	1999	84.50	200	132.80			SP Switch
361	Caltech/JPL	Hewlett-Packard	V2500/HyperPlex	Academic	United States	1999	84.40	128	225.28			Myrinet
362	Arnold Engineering Development Center (AEDC)	Hewlett-Packard	SuperDome/HyperPlex	Research	United States	2001	84.30	64	140.80			Myrinet
363	ITS Information Tech	Hewlett-Packard	SuperDome/HyperPlex	Industry	Italy	2001	84.30	64	140.80			Myrinet
364	Raytheon	Hewlett-Packard	SuperDome/HyperPlex	Industry	United States	2001	84.30	64	140.80			Myrinet
365	Raytheon	Hewlett-Packard	SuperDome/HyperPlex	Industry	United States	2001	84.30	64	140.80			Myrinet
366	Raytheon/US Army	Hewlett-Packard	SuperDome/HyperPlex	Industry	United States	2001	84.30	64	140.80			Myrinet
367	Raytheon/US Army	Hewlett-Packard	SuperDome/HyperPlex	Industry	United States	2001	84.30	64	140.80			Myrinet
368	Aetna Life Insurance	IBM	SP Power3 375 MHz	Industry	United States	2000	84.00	80	120.00			SP Switch
369	Credit Suisse	IBM	SP Power3 375 MHz	Industry	Switzerland	2000	84.00	80	120.00			SP Switch
370	Financial Company	IBM	SP Power3 375 MHz	Industry	Japan	2000	84.00	80	120.00			SP Switch
371	Kroger	IBM	SP Power3 375 MHz	Industry	United States	2000	84.00	80	120.00			SP Switch
372	Manufacturing Company	IBM	SP Power3 375 MHz	Industry	Japan	2000	84.00	80	120.00			SP Switch
373	Philip Morris	IBM	SP Power3 375 MHz	Industry	United States	2001	84.00	80	120.00			SP Switch
374	Philips Lighting	IBM	SP Power3 375 MHz	Industry	United States	2000	84.00	80	120.00			SP Switch
375	Postes & Telecom	IBM	SP Power3 375 MHz	Industry	Belgium	2000	84.00	80	120.00			SP Switch
376	Institute of Meteorology and Water Management (IMGW)	SGI	ORIGIN 3000 500 MHz	Research	Poland	2001	83.30	100	100.00			NUMAflex
377	ULC	IBM	SP PC604e 332 MHz	Industry	United States	2000	82.80	196	130.14			SP Switch
378	KISTI Supercomputing Center	Cray Inc.	T3E900	Research	Korea, South	1997	82.10	132	118.80			Cray Interconnect
379	NAC RE International	IBM	SP PC604e 332 MHz	Industry	United States	2000	82.00	194	128.81			SP Switch
380	DaimlerChrysler	SGI	ORIGIN 3000 400 MHz - Eth-Cluster	Industry	United States	2000	81.90	128	102.40	81920		Ethernet
381	Travelocity	SGI	ORIGIN 3000 400 MHz - Eth-Cluster	Industry	United States	2001	81.90	128	102.40	81920		Ethernet
382	CSAR at the University of Manchester	SGI	ORIGIN 2000 400 MHz	Academic	United Kingdom	2000	81.76	128	102.40	65536		Crossbar
383	Toshiba Corp - Power Systems & Service Company	SGI	ORIGIN 2000 400 MHz	Industry	Japan	2000	81.76	128	102.40	65536		Crossbar
384	ID-IMAG / INRIA Rhone-Alpes	Self-made	HP e-vecetra PIII 733 MHz	Research	France	2001	81.60	225	164.90	80370	23265	Fast Ethernet
385	NERSC/LBNL	IBM	Netfinity Cluster PIII 866 MHz - Myrinet	Research	United States	2001	81.40	160	138.56			Myrinet
386	Commissariat a l'Energie Atomique (CEA)	Cray Inc.	T3E	Research	France	1997	81.30	188	112.80			Cray Interconnect
387	Dupont	IBM	SP Power3 222 MHz	Industry	United States	2000	80.83	128	113.60	76000	15000	SP Switch

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
388	American Museum of Natural History	Self-made	ABACUS Cluster PIII 500/1000 MHz	Research	United States	2001	80.80	520	390.00			Fast Ethernet
389	Hitachi Power & Industrial Systems R&D Lab.	Hitachi	SR8000-F1/8	Industry	Japan	2001	80.20	8	96.00	30352	2504	Crossbar
390	Aerospace Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Germany	2000	80.10	128	102.40	57120	10752	N/A
391	Aerotek	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	1999	80.10	128	102.40	57120	10752	N/A
392	Ameritrade Inc.	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
393	Automotive Manufacturer	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	France	2000	80.10	128	102.40	57120	10752	N/A
394	Baker Hughes	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	1999	80.10	128	102.40	57120	10752	N/A
395	Bank	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United Kingdom	2000	80.10	128	102.40	57120	10752	N/A
396	BellSouth	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
397	Clearstream Services	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Luxembourg	2000	80.10	128	102.40	57120	10752	N/A
398	Consulting	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United Kingdom	2000	80.10	128	102.40	57120	10752	N/A
399	Convergys Corporation	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
400	Deutsche Telekom AG	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Germany	2000	80.10	128	102.40	57120	10752	N/A
401	E-commerce	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Japan	2000	80.10	128	102.40	57120	10752	N/A
402	E-commerce	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
403	Electronics	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
404	Ford Motor Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United Kingdom	2000	80.10	128	102.40	57120	10752	N/A
405	Internet	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Japan	2000	80.10	128	102.40	57120	10752	N/A
406	Internet	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Japan	2000	80.10	128	102.40	57120	10752	N/A
407	Internet Service Provider	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Italy	2000	80.10	128	102.40	57120	10752	N/A
408	Jside.Com	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Japan	2000	80.10	128	102.40	57120	10752	N/A
409	Lexis Nexis	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
410	MobilCom	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Germany	2001	80.10	128	102.40	57120	10752	N/A
411	Motorola	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
412	OfficeMax	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	1999	80.10	128	102.40	57120	10752	N/A
413	Oil Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Canada	2000	80.10	128	102.40	57120	10752	N/A
414	RandomHouse	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	1999	80.10	128	102.40	57120	10752	N/A
415	Rutgers University	Sun Microsystems	HPC 10000 400 MHz Cluster	Academic	United States	1999	80.10	128	102.40	57120	10752	N/A
416	Stanford University/High Energy Physics	Sun Microsystems	HPC 10000 400 MHz Cluster	Academic	United States	2000	80.10	128	102.40	57120	10752	N/A
417	Telecommunication Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Italy	2000	80.10	128	102.40	57120	10752	N/A
418	Telecommunication Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
419	Telecommunication Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
420	Telecommunication Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
421	Telecommunication Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Australia	2000	80.10	128	102.40	57120	10752	N/A
422	Telecommunication Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
423	Telemar	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Brazil	2000	80.10	128	102.40	57120	10752	N/A
424	W.W. Grainger	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
425	eBay	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	80.10	128	102.40	57120	10752	N/A
426	CIEMAT	SGI	ORIGIN 3000 500 MHz	Research	Spain	2001	80.00	96	96.00			NUMAflex
427	AT&T	IBM	SP Power3 375 MHz	Industry	United States	2001	79.90	76	114.00			SP Switch
428	TRW	IBM	SP Power3 375 MHz	Industry	United States	2000	79.90	76	114.00			SP Switch
429	Zurich American	IBM	SP Power3 375 MHz	Industry	United States	2000	79.90	76	114.00			SP Switch
430	Deutsche Bank	IBM	SP PC604e 332 MHz	Industry	Germany	1999	79.50	188	124.83			SP Switch

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
431	Swiss Scientific Computing Center (CSCS)	NEC	SX-5/10A	Research	Switzerland	2001	78.60	10	80.00			Crossbar
432	Government	IBM	SP P2SC 160 MHz	Classified	United Kingdom	1999	78.40	178	113.90			SP Switch
433	Maui High-Performance Computing Center (MHPCC)	IBM	SP P2SC 160 MHz	Research	United States	1998	78.40	178	113.90			SP Switch
434	COMDIRECT Bank AG	IBM	SP Power3 375 MHz	Industry	Germany	2000	77.90	74	111.00			SP Switch
435	GWA Web	IBM	SP Power3 375 MHz	Industry	United States	2000	77.90	74	111.00			SP Switch
436	RWE	IBM	SP PC604e 332 MHz	Industry	Germany	2000	77.80	184	122.17			SP Switch
437	TELUS Communications Inc.	IBM	SP PC604e 332 MHz	Industry	Canada	1998	77.80	184	122.17			SP Switch
438	GSIC Center, Tokyo Institute of Technology	Self-made	Presto III Athlon 1.333 GHz	Academic	Japan	2000	77.40	78	208.00	75160	25000	Fast Ethernet
439	HWW/Universitaet Stuttgart	NEC	SX-4/40H2	Industry	Germany	1999	77.20	40	80.00			Crossbar
440	Internet Service Provider	Sun Microsystems	HPC 420 450 MHz Cluster	Industry	United States	2000	77.01	112	100.80			N/A
441	Deutsche Telekom AG	IBM	SP Power3 200 MHz	Industry	Germany	1999	76.77	128	102.40	89000	11500	SP Switch
442	IBM Research	IBM	SP Power3 200 MHz	Research	Switzerland	1999	76.77	128	102.40	89000	11500	SP Switch
443	University of Arizona	SGI	ORIGIN 2000 400 MHz	Academic	United States	2000	76.70	120	96.00			Crossbar
444	Fermi National Accelerator Laboratory	SGI	ORIGIN 2000 250 MHz	Research	United States	2001	76.40	192	96.00			Crossbar
445	ABN AMRO	IBM	SP Power3 375 MHz	Industry	Netherlands	2001	75.90	72	108.00			SP Switch
446	Ensign Geophysics	IBM	SP Power3 375 MHz	Industry	United Kingdom	2000	75.90	72	108.00			SP Switch
447	Georgia Institute of Technology	IBM	SP Power3 375 MHz	Research	United States	2000	75.90	72	108.00			SP Switch
448	MCI Worldcom	IBM	SP Power3 375 MHz	Industry	United States	2001	75.90	72	108.00			SP Switch
449	PGS	IBM	SP Power3 375 MHz	Industry	Egypt	2001	75.90	72	108.00			SP Switch
450	Volvo	IBM	SP Power3 375 MHz	Industry	Sweden	2000	75.90	72	108.00			SP Switch
451	Bank	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United Kingdom	2000	75.80	120	96.00			N/A
452	Dutchtone	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Netherlands	2000	75.80	120	96.00			N/A
453	Media	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Spain	2000	75.80	120	96.00			N/A
454	T-Online	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Germany	2000	75.80	120	96.00			N/A
455	Telecommunication Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Italy	2000	75.80	120	96.00			N/A
456	Telecommunication Company	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Italy	2000	75.80	120	96.00			N/A
457	FT UEI Antony	IBM	SP PC604e 332 MHz	Industry	France	2000	75.20	178	118.19			SP Switch
458	debis Systemhaus	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Germany	1999	74.89	120	96.00			N/A
459	Scientific Supercomputing Center Karlsruhe	Fujitsu	VPP5000/8	Academic	Germany	2001	74.80	8	76.80	85440	2688	Crossbar
460	NRI for Earth Science and Disaster (NIED)	Cray Inc.	T3E	Research	Japan	1997	74.50	172	103.20			Cray Interconnect
461	Lockheed Martin	IBM	SP Power3 200 MHz	Industry	United States	1999	74.40	124	99.20			SP Switch
462	ETH	Hewlett-Packard	SuperDome	Academic	Switzerland	2001	73.90	48	105.60			N/A
463	CIGNA	IBM	SP Power3 375 MHz	Industry	United States	2001	73.80	70	105.00			SP Switch
464	2 The Mart	IBM	SP PC604e 332 MHz	Industry	United States	1999	73.60	174	115.50			SP Switch
465	ThyssenKrupp Information Systems	IBM	SP PC604e 332 MHz	Industry	Germany	2000	73.10	236	156.70			SP Switch
466	Norwegian University of Science and Technology	SGI	ORIGIN 2000 300 MHz - Eth-Cluster	Academic	Norway	2000	72.57	160	96.00	61440		Ethernet
467	Government	Cray Inc.	T3E900	Classified	United States	1998	72.30	116	104.40			Cray Interconnect
468	Deutsche Bank	IBM	SP PC604e 332 MHz	Industry	Germany	2000	71.90	170	112.88			SP Switch
469	Adapco	IBM	SP Power3 375 MHz	Industry	United States	2000	71.80	68	102.00			SP Switch
470	IMS Health	IBM	SP Power3 375 MHz	Industry	United States	2001	71.80	68	102.00			SP Switch
471	Kohls	IBM	SP Power3 375 MHz	Industry	United States	2001	71.80	68	102.00			SP Switch
472	IUCC/HPCU	SGI	ORIGIN 2000 400 MHz	Academic	Israel	2000	71.70	112	89.60			Crossbar
473	Saab Automobile AB	SGI	ORIGIN 2000 400 MHz	Industry	Sweden	2000	71.70	112	89.60			Crossbar

Rank	Site	Manufacturer	Computer	Inst. type	Country	Year	Rmax	Processors	Rpeak	Nmax	Nhalf	Interconnect
474	Government	Cray Inc.	T3E	Classified	United States	1997	71.10	164	98.40			Cray Interconnect
475	Zuerich Versicherung	IBM	SP PC604e 332 MHz	Industry	Switzerland	2000	71.00	168	111.55			SP Switch
476	European Patent Office	IBM	SP Power3 222 MHz	Government	Germany	2000	71.00	112	99.40			SP Switch
477	BASF	IBM	SP Power3 375 MHz 16 way	Industry	Germany	2001	70.60	64	96.00	54000	11000	SP Switch
478	Boston University	IBM	SP Power3 375 MHz 16 way	Academic	United States	2001	70.60	64	96.00	54000	11000	SP Switch
479	Brigham Young University	IBM	SP Power3 375 MHz 16 way	Academic	United States	2001	70.60	64	96.00	54000	11000	SP Switch
480	CASPUR	IBM	SP Power3 375 MHz 16 way	Academic	Italy	2001	70.60	64	96.00	54000	11000	SP Switch
481	Indiana University	IBM	SP Power3 375 MHz 16 way	Academic	United States	2001	70.60	64	96.00	54000	11000	SP Switch
482	NASA/Goddard Space Flight Center	IBM	SP Power3 375 MHz 16 way	Research	United States	2000	70.60	64	96.00	54000	11000	SP Switch
483	System Integrator	IBM	SP Power3 375 MHz 16 way	Classified	United States	2001	70.60	64	96.00	54000	11000	SP Switch
484	Universite des Sciences et Technologies de Lille	IBM	SP Power3 375 MHz 16 way	Academic	France	2000	70.60	64	96.00	54000	11000	SP Switch
485	Deutsche Bank	IBM	SP PC604e 332 MHz	Industry	Switzerland	1999	70.20	166	110.22			SP Switch
486	AT&T	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	70.12	112	89.60			N/A
487	Computer Manufacturer	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United States	2000	70.12	112	89.60			N/A
488	Prudential Insurance	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	United Kingdom	1999	70.12	112	89.60			N/A
489	ITS SRL Torino	IBM	SP Power3 375 MHz	Industry	Italy	2001	69.80	66	99.00			SP Switch
490	Joy Technologies	IBM	SP Power3 375 MHz	Industry	United States	2000	69.80	66	99.00			SP Switch
491	DeTeCSM	IBM	SP PC604e 332 MHz	Industry	Germany	1999	69.40	164	108.89			SP Switch
492	National Institute for Environmental Studies	NEC	SX-4/36H2	Research	Japan	1997	69.40	36	72.00			Crossbar
493	Chip Manufacturer (B)	IBM	SP2/402	Industry	United States	1997	69.33	402	106.93			N/A
494	KT Freetel	Sun Microsystems	HPC 10000 400 MHz Cluster	Industry	Korea, South	1999	68.77	110	88.00			N/A
495	University of Oslo	Hewlett-Packard	SuperDome	Academic	Norway	2001	68.70	44	96.80			N/A
496	BASF	IBM	SP PC604e 332 MHz	Industry	Germany	1999	68.50	162	107.56			SP Switch
497	Dregis (Dresdner global IT services)	IBM	SP PC604e 332 MHz	Industry	Germany	2000	68.50	162	107.56			SP Switch
498	Centre Informatique National (CINES)	IBM	SP P2SC 120 MHz	Academic	France	1999	67.80	207	99.36			SP Switch
499	Adam Opel AG	IBM	SP Power3 375 MHz	Industry	Germany	2001	67.78	64	96.00	76000	10400	SP Switch
500	Barclays Bank	IBM	SP Power3 375 MHz	Industry	United Kingdom	2001	67.78	64	96.00	76000	10400	SP Switch