CFP2000 Result

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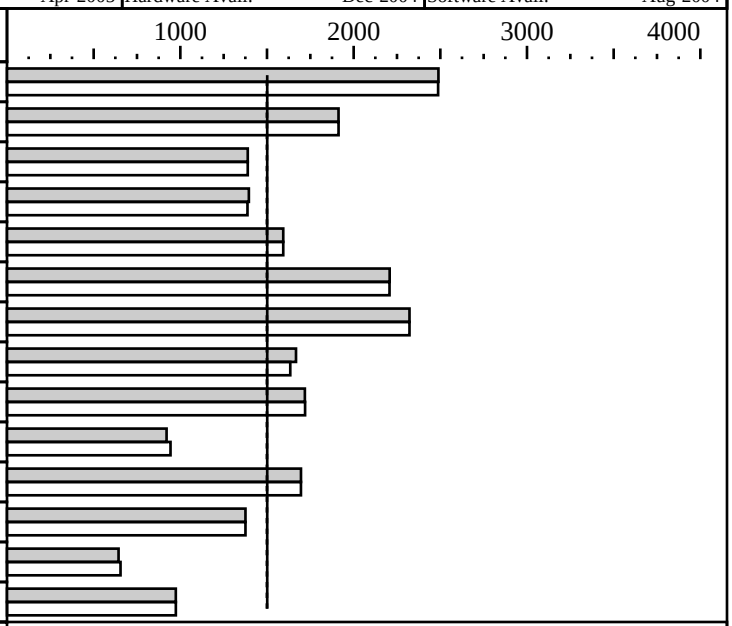
Supermicro
X6DVL-EG2 (3.6GHz, Intel Xeon)

SPECfp2000 = 1501

SPECfp_base2000 = 1500

SPEC license #01176 | Tested by: Supermicro | Test date: Apr-2005 | Hardware Avail: Dec-2004 | Software Avail: Aug-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	64.3	2489	64.3	2487
171.swim	3100	162	1913	162	1913
172.mgrid	1800	130	1389	130	1389
173.applu	2100	151	1395	151	1387
177.mesa	1400	87.8	1594	87.8	1594
178.galgel	2900	131	2208	131	2207
179.art	2600	112	2322	112	2322
183.equake	1300	78.0	1667	79.5	1634
187.facerec	1900	111	1718	110	1720
188.ammp	2200	239	921	233	943
189.lucas	2000	118	1696	118	1696
191.fma3d	2100	153	1376	153	1376
200.sixtrack	1100	171	644	168	655
301.apsi	2600	267	974	267	974



Hardware

CPU:	Intel Xeon processor (3.6 GHz, 800 MHz System bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology Enabled)
CPU(s) orderable:	1, 2
Parallel:	No
Primary Cache:	12k micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x1GB DDR2-400 REG ECC CL3
Disk Subsystem:	1x40GB IDE
Other Hardware:	

Software

Operating System:	Windows Server 2003 EE
Compiler:	Intel C++ and Fortran Compiler 8.1 Build 20040802Z Microsoft Visual Studio .Net 2003(for libraries)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -fast -Qansi_alias +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -fast -Qansi_alias +FDO
171.swim:     -fast -Qansi_alias +FDO
172.mgrid:    -fast -Qansi_alias +FDO
173.applu:  -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:   basepeak=yes
178.galgel:   -fast -Qansi_alias +FDO
179.art:      basepeak=yes
183.equake:   -QxP -Oa -Qrcd -Qipo +FDO
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxP
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
The system bus runs at 800 MHz
Tested system can be used with a 420W (minimum) ATX power supply [8-pin (+12V) and 24-pin are required]
```