CFP2000 Result

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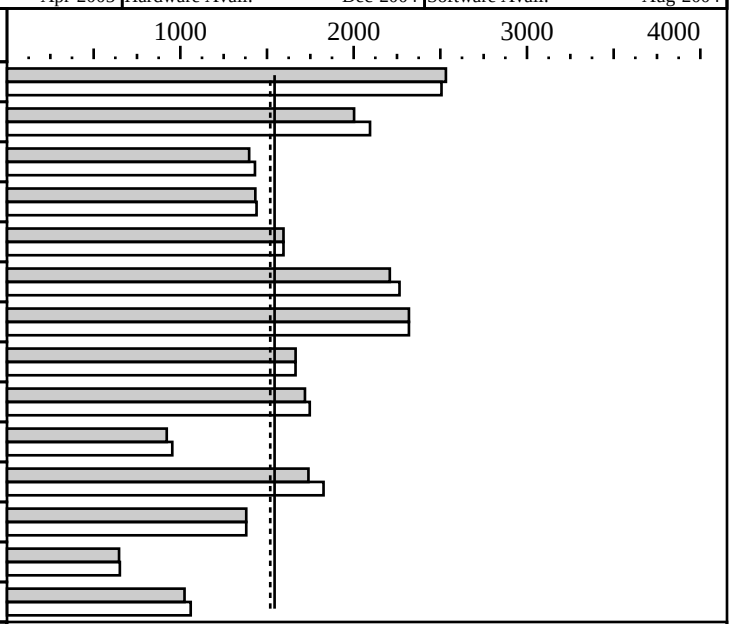
Supermicro
X6DVL-EG2 (3.6GHz, Intel Xeon)

SPECfp2000 = 1544

SPECfp_base2000 = 1519

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	63.2	2532	63.8	2507
171.swim	3100	155	2002	148	2094
172.mgrid	1800	129	1397	126	1431
173.applu	2100	147	1433	146	1440
177.mesa	1400	87.8	1595	87.8	1595
178.galgel	2900	131	2208	128	2265
179.art	2600	112	2319	112	2319
183.equake	1300	78.1	1665	78.1	1665
187.facerec	1900	111	1719	109	1747
188.ammp	2200	239	922	231	954
189.lucas	2000	115	1739	110	1826
191.fma3d	2100	152	1380	152	1380
200.sixtrack	1100	170	646	169	651
301.apsi	2600	254	1024	245	1060



Hardware

CPU:	Intel Xeon processor (3.6 GHz, 800 MHz System bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1
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]
```