CFP2000 Result

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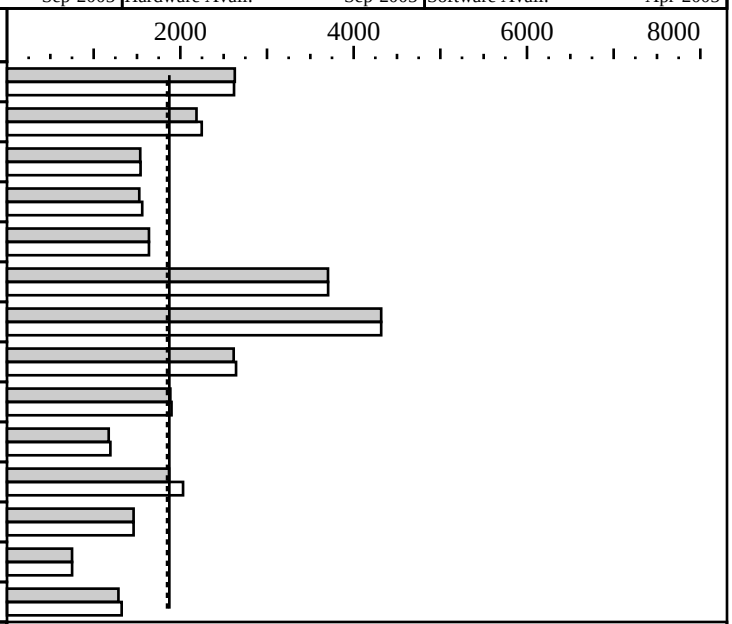
Supermicro
X6DVA-4G2 Motherboard

SPECfp2000 = 1873

SPECfp_base2000 = 1847

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	60.9	2628	61.1	2620
171.swim	3100	142	2186	138	2247
172.mgrid	1800	117	1537	117	1541
173.applu	2100	138	1526	135	1560
177.mesa	1400	85.5	1638	85.5	1638
178.galgel	2900	78.3	3704	78.3	3705
179.art	2600	60.2	4318	60.2	4318
183.equake	1300	49.7	2616	49.2	2643
187.facerec	1900	101	1885	100	1898
188.ammp	2200	187	1174	184	1193
189.lucas	2000	107	1870	98.5	2031
191.fma3d	2100	144	1461	144	1461
200.sixtrack	1100	147	751	146	751
301.apsi	2600	202	1286	197	1323



Hardware

CPU:	Intel Xeon Processor (3.80 GHz, 2MB L2, 800 MHz bus)
CPU MHz:	3800
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:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	6 x 2.0GB SMART DDR2 400MHz ECC
Disk Subsystem:	250GB Maxtor YAR51HWO SATA HDD
Other Hardware:	N/A

Software

Operating System:	Windows Server 2003 EE SP1
Compiler:	Intel C++ and Fortran Compiler 9.0 Build 20050430Z (32-bit) Microsoft Visual Studio .Net 2003(for libraries) SmartHeap Library Version 7.4 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning for Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs: -fast +FDO shlW32M.lib
shlW32M.lib is the SmartHeap Library
Portability:
178.galgel:   -FI /F32000000
191.fmma3d approved windowsdp src.alt used
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 shlW32M.lib +FDO
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
```

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Notes/Tuning Information (Continued)

```
188.ammp:     -fast -Oa +FDO shlW32M.lib
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
New 32-bt Windows tools used, approved in May-2005
Tested system was built with SC811S-420 Chassis.
Product description located as of:
http://www.supermicro.com/products/motherboard/Xeon800/E7320/X6DVA-4G2.cfm
The system bus runs at 800MHz
```