CFP2000 Result

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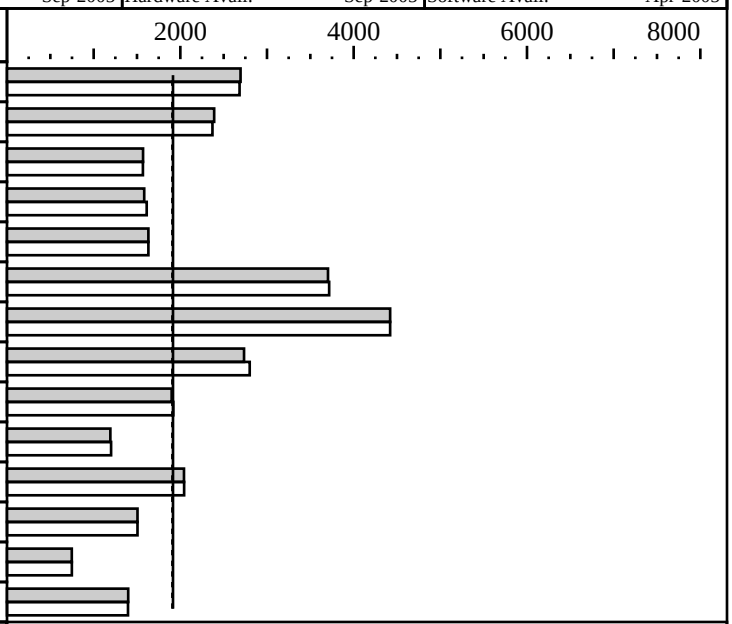
Supermicro
X6DH3-G2 Motherboard

SPECfp2000 = 1915

SPECfp_base2000 = 1909

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	59.4	2695	59.6	2683
171.swim	3100	130	2390	131	2371
172.mgrid	1800	115	1570	115	1568
173.applu	2100	133	1583	130	1612
177.mesa	1400	85.8	1631	85.8	1631
178.galgel	2900	78.3	3704	78.0	3717
179.art	2600	58.8	4421	58.8	4421
183.equake	1300	47.5	2735	46.4	2800
187.facerec	1900	100	1900	99.0	1919
188.ammp	2200	184	1193	183	1201
189.lucas	2000	97.9	2042	97.9	2044
191.fma3d	2100	139	1506	139	1506
200.sixtrack	1100	147	748	147	748
301.apsi	2600	186	1399	186	1396



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:	8 x 2.0GB SMART DDR2 400MHz ECC
Disk Subsystem:	1 X 250GB Western Digital WD2500JD-00GBB0 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 SC823T-R500RC Chassis.
Product description located as of:
http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DH3-G2.cfm
The system bus runs at 800MHz
```