CFP2000 Result

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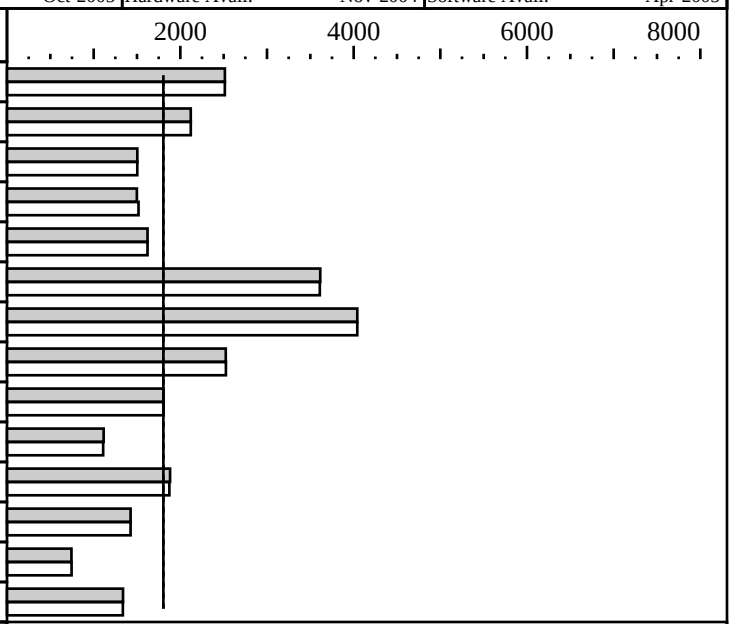
Supermicro
X6DHR-TG Motherboard

SPECfp2000 = 1804

SPECfp_base2000 = 1804

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	63.6	2514	63.7	2514
171.swim	3100	146	2120	146	2121
172.mgrid	1800	120	1504	120	1503
173.applu	2100	140	1498	138	1518
177.mesa	1400	86.3	1621	86.3	1621
178.galgel	2900	80.2	3614	80.3	3609
179.art	2600	64.3	4042	64.3	4042
183.equake	1300	51.5	2524	51.5	2526
187.facerec	1900	105	1806	105	1807
188.ammp	2200	197	1115	198	1110
189.lucas	2000	106	1882	107	1874
191.fma3d	2100	147	1426	147	1426
200.sixtrack	1100	148	744	148	745
301.apsi	2600	194	1339	194	1337



Hardware

CPU:	Intel Xeon 3.8GHz processor (3.8 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:	8GB (8x1GB DDR333 ECC REG)
Disk Subsystem:	1 X 40GB IDE
Other Hardware:	N/A

Software

Operating System:	Windows 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 SC813T-500 Chassis.
Product description located as of:
http://www.supermicro.com/products/motherboard/Xeon800/E7520/X6DHR-TG.cfm
The system bus runs at 800MHz
```