CFP2000 Result

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ASUS Computer International

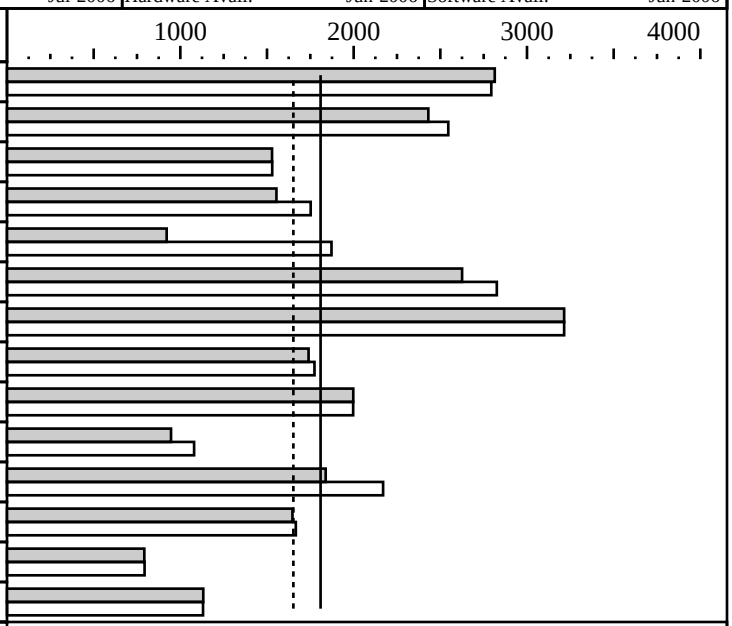
Asus M2N32-SLI Deluxe, AMD Athlon (TM) 64 5000+

SPECfp2000 = 1809

SPECfp_base2000 = 1652

SPEC license #: 13 | Tested by: Intel Corporation | Test date: Jul-2006 | Hardware Avail: Jun-2006 | Software Avail: Jun-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	56.9	2814	57.3	2794
171.swim	3100	128	2431	122	2546
172.mgrid	1800	118	1529	118	1530
173.applu	2100	135	1554	120	1752
177.mesa	1400	152	921	74.8	1872
178.galgel	2900	110	2626	103	2826
179.art	2600	80.9	3214	80.9	3214
183.equake	1300	74.7	1740	73.3	1774
187.facerec	1900	95.1	1998	95.1	1997
188.ammp	2200	232	946	204	1079
189.lucas	2000	109	1839	92.2	2170
191.fma3d	2100	128	1647	126	1666
200.sixtrack	1100	139	792	139	794
301.apsi	2600	230	1132	230	1131



Hardware

CPU:	AMD Athlon (TM) 64 5000+
CPU MHz:	2600
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
Parallel:	no
Primary Cache:	64KBI + 64KBD on chip, per core
Secondary Cache:	512KB (I+D) on chip, per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2x1 GB, Corsair CM2X1024-8500C5 DDR2-1066 (manually set to DDR2-800 5-5-5-15 in the bios)
Disk Subsystem:	SATA, Western Digital WD740GD, 10000 rpm
Other Hardware:	None

Software

Operating System:	Microsoft Windows XP SP2
Compiler:	Intel C++ 9.1 build 20060519Z for IA32, Intel Fortran 9.1 build 20060519Z for IA32, PGI Fortran compiler 6.0-5 for Windows XP, PGI C compiler 6.0-5 for Windows XP, ACML Version 2.5.3 (bundled with PGI 6.0-5)
File System:	NTFS
System State:	default

Notes/Tuning Information

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+FDO:
 icl, ifort  : PASS1=-Qprof_gen  PASS2=-Qprof_use
 pgf90       : PASS1=-Mpfi       PASS2=-Mpfo
ifort is the Intel Fortran compiler, icl is the Intel C++ compiler and
pgf90 is the PGI Fortran 90 compiler.
pgcc is the PGI C compiler.
ONESTEP is set to 1 for every compile with the PGI compilers.
Portability:
178.galgel:                  -Mfixed
Baseline: C      :  pgcc     -fastsse -Mipa=fast,inline
Baseline: Fortran:  pgf90    -fastsse -Mipa=fast,inline +FDO
Peak tuning:
168.wupwise:        pgf90    -fastsse -Mipa=fast,inline -Mnovect
171.swim:           ifort    -Qipo  -O3  -QaxN -QxW -Qunroll0 +FDO
172.mgrid:          pgf90    -fastsse -Mipa=fast,inline
173.applu:          ifort    -Qipo  -O3 -QaxN -QxW -auto +FDO
177.mesa:           icl      -Qipo -arch:SSE2 -Qunroll1 -Qansi_alias +FDO
```

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Notes/Tuning Information (Continued)

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                        -Qoption,f,-ip_ninl_max_stats=1500,-ip_ninl_max_total_stats=4500
 178.galgel:          pgf90   -fastsse -Mipa=fast,safe -Munix -lacml
                              RM_SOURCES=lapak.f90
 179.art:             pgcc     basepeak=yes
 183.equake:          icl     -fast -arch:SSE2 -QaxW +FDO
 187.facerec:         pgf90   -fastsse -Mipa=fast,inline +FDO
 188.ammp:            icl     -Oa   -arch:SSE2  -Zp4 -Qansi_alias
 189.lucas:           ifort   -Qipo -QxW -Qunroll1
 191.fma3d:           pgf90   -Mipa=fast,inline -fastsse -Mnovect +FDO
 200.sixtrack:        pgf90   -fastsse -Mipa=fast,inline
 301.apsi:            pgf90   -fastsse -Mipa=fast,inline
The SUT was built with a discrete PCIe graphics card (ATI Radeon X850 XT)
and an ATX 550W power supply. The 2 DIMMs were configured in dual-channel mode.
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