CFP2000 Result

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ASUS Computer International

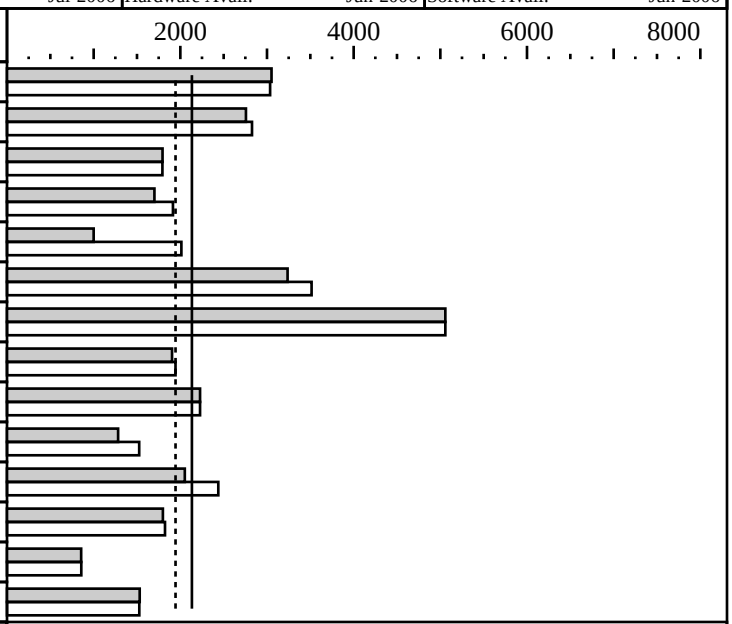
Asus M2N32-SLI Deluxe, AMD Athlon (TM) 64 FX-62

SPECfp2000 = 2134

SPECfp_base2000 = 1945

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	52.4	3052	52.7	3036
171.swim	3100	112	2757	110	2827
172.mgrid	1800	100	1795	100	1793
173.applu	2100	123	1701	110	1915
177.mesa	1400	140	1000	69.6	2012
178.galgel	2900	89.6	3237	82.5	3514
179.art	2600	51.4	5058	51.4	5058
183.equake	1300	68.3	1904	66.9	1944
187.facerec	1900	85.3	2228	85.3	2228
188.ammp	2200	172	1282	144	1525
189.lucas	2000	97.5	2052	82.0	2438
191.fma3d	2100	117	1799	115	1823
200.sixtrack	1100	129	856	128	857
301.apsi	2600	170	1531	170	1527



Hardware

CPU:	AMD Athlon (TM) 64 FX-62
CPU MHz:	2800
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:	1MB (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

```
+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 X1900 XTX)
and an ATX 550W power supply. The 2 DIMMs were configured in dual-channel mode.
```