CFP2000 Result

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ASUS Computer International

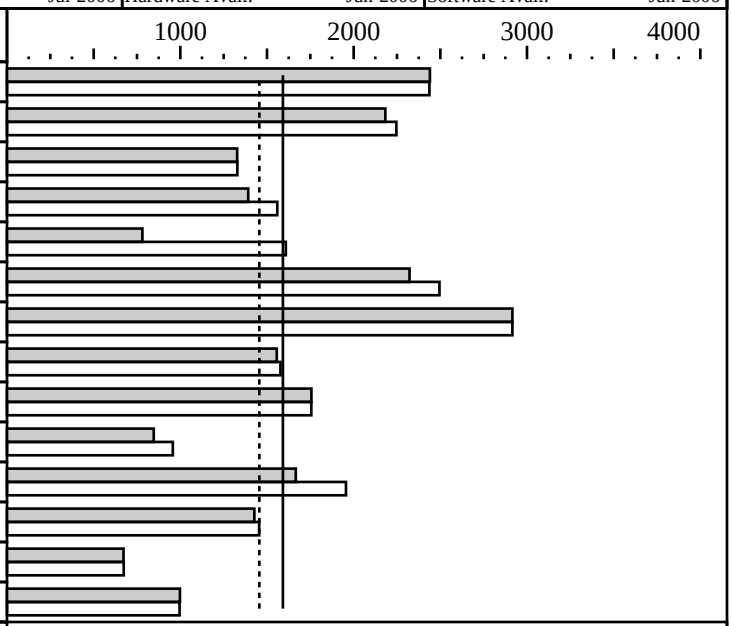
Asus M2N32-SLI Deluxe, AMD Athlon (TM) 64 4200+

SPECfp2000 = 1592

SPECfp_base2000 = 1456

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	65.6	2440	65.7	2437
171.swim	3100	142	2183	138	2246
172.mgrid	1800	136	1328	135	1329
173.applu	2100	151	1392	135	1559
177.mesa	1400	179	781	87.0	1609
178.galgel	2900	125	2322	116	2495
179.art	2600	89.2	2916	89.2	2916
183.equake	1300	83.5	1556	82.4	1578
187.facerec	1900	108	1756	108	1756
188.ammp	2200	260	847	230	957
189.lucas	2000	120	1666	102	1956
191.fma3d	2100	147	1427	144	1455
200.sixtrack	1100	164	672	163	673
301.apsi	2600	261	998	261	996



Hardware

CPU:	AMD Athlon (TM) 64 4200+
CPU MHz:	2200
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 5-5-5-15
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)

```
                          -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 system under test can be built with an ATI X850 XT graphics card and
an ATX APE-300x power supply.
```