CFP2000 Result

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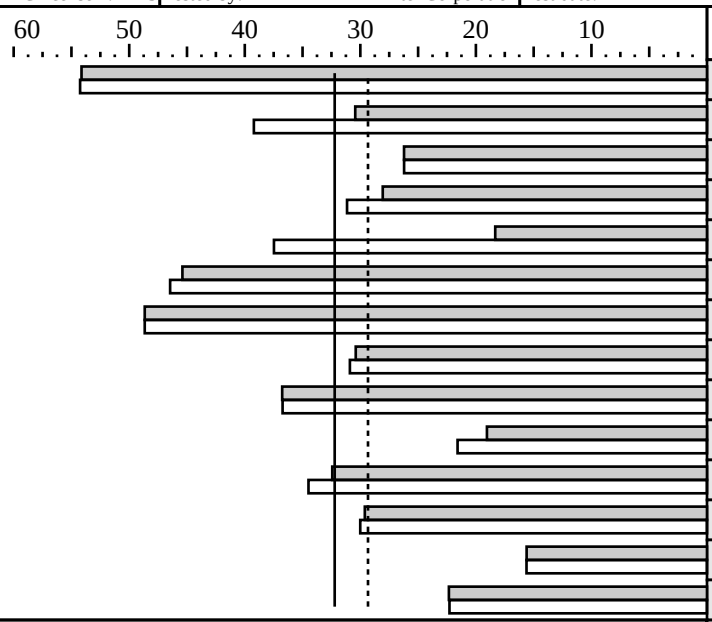
ASUS Computer International

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

SPECfp_rate2000 = 32.2

SPECfp_rate_base2000 = 29.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	68.6	54.1	2	68.4	54.3
171.swim	2	236	30.4	2	183	39.2
172.mgrid	2	159	26.2	2	159	26.2
173.applu	2	174	28.1	2	156	31.1
177.mesa	2	177	18.3	2	86.7	37.5
178.galgel	2	148	45.4	2	145	46.5
179.art	2	124	48.7	2	124	48.7
183.equake	2	99.2	30.4	2	97.6	30.9
187.facerec	2	120	36.8	2	120	36.7
188.ammp	2	268	19.0	2	236	21.6
189.lucas	2	143	32.4	2	135	34.5
191.fma3d	2	165	29.6	2	162	30.0
200.sixtrack	2	163	15.6	2	163	15.6
301.apsi	2	270	22.3	2	271	22.3

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 (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 X850 XT)
and an ATX 550W power supply. The 2 DIMMs were configured in dual-channel mode.
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