



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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	1000 2000 3000 4000			
168.wupwise	1600	65.6	2440	65.7	2437	[Bar chart showing ratio bars for 168.wupwise]			
171.swim	3100	142	2183	138	2246	[Bar chart showing ratio bars for 171.swim]			
172.mgrid	1800	136	1328	135	1329	[Bar chart showing ratio bars for 172.mgrid]			
173.applu	2100	151	1392	135	1559	[Bar chart showing ratio bars for 173.applu]			
177.mesa	1400	179	781	87.0	1609	[Bar chart showing ratio bars for 177.mesa]			
178.galgel	2900	125	2322	116	2495	[Bar chart showing ratio bars for 178.galgel]			
179.art	2600	89.2	2916	89.2	2916	[Bar chart showing ratio bars for 179.art]			
183.quake	1300	83.5	1556	82.4	1578	[Bar chart showing ratio bars for 183.quake]			
187.facerec	1900	108	1756	108	1756	[Bar chart showing ratio bars for 187.facerec]			
188.amp	2200	260	847	230	957	[Bar chart showing ratio bars for 188.amp]			
189.lucas	2000	120	1666	102	1956	[Bar chart showing ratio bars for 189.lucas]			
191.fma3d	2100	147	1427	144	1455	[Bar chart showing ratio bars for 191.fma3d]			
200.sixtrack	1100	164	672	163	673	[Bar chart showing ratio bars for 200.sixtrack]			
301.apsi	2600	261	998	261	996	[Bar chart showing ratio bars for 301.apsi]			

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 5-5-15
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 -Mvect
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
```



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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

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.quake:      icl    -fast -arch:SSE2 -QaxW +FDO
187.facerec:    pgf90  -fastsse -Mipa=fast,inline +FDO
188.amp:        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.