



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Advanced Micro Devices

ASUS A7N8X Motherboard rev. 2.0, AMD Athlon (TM) XP 3200+

SPECfp2000 = 982

SPECfp_base2000 = 873

SPEC license #: 49 Tested by: AMD Austin TX Test date: May-2003 Hardware Avail: May-2003 Software Avail: Feb-2002

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | 500 1000 1500 2000 | | | |
|--------------|----------------|--------------|------------|---------|-------|---------------------------|--|--|--|
| 168.wupwise | 1600 | 126 | 1270 | 125 | 1282 | [Bar chart showing ratio] | | | |
| 171.swim | 3100 | 267 | 1162 | 204 | 1523 | [Bar chart showing ratio] | | | |
| 172.mgrid | 1800 | 196 | 917 | 196 | 919 | [Bar chart showing ratio] | | | |
| 173.applu | 2100 | 278 | 755 | 240 | 875 | [Bar chart showing ratio] | | | |
| 177.mesa | 1400 | 123 | 1139 | 120 | 1163 | [Bar chart showing ratio] | | | |
| 178.galgel | 2900 | 344 | 842 | 223 | 1298 | [Bar chart showing ratio] | | | |
| 179.art | 2600 | 437 | 595 | 374 | 695 | [Bar chart showing ratio] | | | |
| 183.quake | 1300 | 161 | 807 | 127 | 1025 | [Bar chart showing ratio] | | | |
| 187.facerec | 1900 | 161 | 1179 | 161 | 1179 | [Bar chart showing ratio] | | | |
| 188.amp | 2200 | 330 | 667 | 234 | 941 | [Bar chart showing ratio] | | | |
| 189.lucas | 2000 | 200 | 1000 | 197 | 1016 | [Bar chart showing ratio] | | | |
| 191.fma3d | 2100 | 220 | 954 | 220 | 954 | [Bar chart showing ratio] | | | |
| 200.sixtrack | 1100 | 201 | 547 | 201 | 547 | [Bar chart showing ratio] | | | |
| 301.apsi | 2600 | 334 | 779 | 334 | 779 | [Bar chart showing ratio] | | | |

Hardware

CPU: AMD Athlon (TM) XP AXDA3200KV4E
CPU MHz: 2200
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1
Parallel: No
Primary Cache: 64KBI + 64KBD on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2x256MB PC3200 DDR SDRAM CL2.0
Disk Subsystem: WD1200JB-00DUA1 120GB IDE
Other Hardware: None

Software

Operating System: Windows XP Professional SP1
Compiler: Intel C++ 7.0 build 20021021Z
Intel Fortran 7.0 build 20021028Z
and Compaq Visual Fortran 6.5
Microsoft Visual Studio .NET 7.0.9466 (libraries)
MicroQuill Smartheap Library 6.0
File System: NTFS
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
icl and ifl are the Intel C++ and Fortran compilers
f90 is the Compaq Fortran compiler
shlW32M.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
Portability:
178.galgel: -FI -Fe$@ -link -stack:32000000
Baseline: C icl -QxK -Qipo +FDO shlW32M.lib
Baseline: Fortran ifl -QxK -O3 -Qipo +FDO
Peak tuning:
168.wupwise: ifl -O3 -QxK -Qipo +FDO shlW32M.lib
171.swim: ifl -O3 -QxK +FDO
172.mgrid: ifl -O3 -QxK
173.applu: ifl -O3 -QxK -Qipo -Qscalar_rep +FDO shlW32M.lib
177.mesa: icl -O3 -QxK -Qipo +FDO shlW32M.lib
178.galgel: f90 -Optimize:5 -fast
179.art: icl -O2 -QxK -Qipo -Oa +FDO
183.quake: icl -O3 -QxK -Qipo -Oa +FDO shlW32M.lib
```



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Advanced Micro Devices

ASUS A7N8X Motherboard rev. 2.0, AMD Athlon (TM) XP 3200+

SPECfp2000 = 982

SPECfp_base2000 = 873

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: May-2003 | Hardware Avail: May-2003 | Software Avail: Feb-2002

Notes/Tuning Information (Continued)

```
187.facerec: basepeak=true
188.ampp:    icl -O3 -QxK -Oa
189.lucas:   ifl -O3 -QxK -Qipo +FDO shlW32M.lib
191.fma3d:   basepeak=true
200.sixtrack: basepeak=true
301.apsi:    f90 -Optimize:5 -fast
```

ONESTEP is used for all base and peak runs

The tested system can be assembled using an ATX case such as the Antec KS-282, a 480W power supply such as the Antec True480, and a PCI or AGP video card.

The System bus runs at 400MHz

The Memory bus runs at 400MHz

Memory used in dual channel configuration