



CFP2000 Result

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Advanced Micro Devices

ASUS A7N8X Deluxe Motherboard, AMD Athlon (TM) XP 3000+

SPECfp2000 = 869

SPECfp_base2000 = 776

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	141	1131	138	1162	
171.swim	3100	308	1006	249	1245	
172.mgrid	1800	225	799	217	831	
173.applu	2100	321	654	279	752	
177.mesa	1400	127	1103	125	1116	
178.galgel	2900	393	738	255	1135	
179.art	2600	525	495	455	571	
183.quake	1300	178	730	145	896	
187.facerec	1900	188	1008	188	1008	
188.amp	2200	375	587	260	847	
189.lucas	2000	235	853	232	864	
191.fma3d	2100	247	850	247	850	
200.sixtrack	1100	204	538	204	538	
301.apsi	2600	369	705	366	711	

Hardware

CPU: AMD Athlon (TM) AXDA3000DKV4D
 CPU MHz: 2167
 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: 2x512MB PC2700 DDR SDRAM CL2
 Disk Subsystem: WD 10GB IDE
 Other Hardware: None

Software

Operating System: Windows XP
 Compiler: Intel C++ 7.0 build 20021021Z
 Intel Fortran 7.0 build 20021028Z
 and Compaq Visual Fortran 6.5
 Microsoft Visual Studio .NET (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
```



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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 300W power supply such as the Sparkle FSP300-60GT, and a PCI or AGP video card.

The System bus runs at 333MHz

The Memory bus runs at 333MHz

Memory used dual channel configuration