



CFP2000 Result

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Advanced Micro Devices
Gigabyte GA-7DX Motherboard, 1.2GHz Athlon Processor

SPECfp2000 = **417**
SPECfp_base2000 = **387**

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Feb-2001 | Hardware Avail: Mar-2001 | Software Avail: Oct-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	200 400 600 800			
168.wupwise	1600	420	381	285	562	[Bar chart showing ratio 562]			
171.swim	3100	401	772	401	772	[Bar chart showing ratio 772]			
172.mgrid	1800	608	296	608	296	[Bar chart showing ratio 296]			
173.applu	2100	526	399	494	425	[Bar chart showing ratio 425]			
177.mesa	1400	291	481	256	546	[Bar chart showing ratio 546]			
178.galgel	2900	491	590	492	590	[Bar chart showing ratio 590]			
179.art	2600	746	348	717	363	[Bar chart showing ratio 363]			
183.quake	1300	447	291	360	361	[Bar chart showing ratio 361]			
187.facerec	1900	405	469	406	468	[Bar chart showing ratio 468]			
188.amp	2200	644	342	638	345	[Bar chart showing ratio 345]			
189.lucas	2000	714	280	684	292	[Bar chart showing ratio 292]			
191.fma3d	2100	477	440	477	440	[Bar chart showing ratio 440]			
200.sixtrack	1100	424	259	360	306	[Bar chart showing ratio 306]			
301.apsi	2600	780	333	780	333	[Bar chart showing ratio 333]			

Hardware

CPU: 1.2GHz AMD Athlon processor A1200AMT3C
CPU MHz: 1200
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: 256KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 2x128MB PC2100 DDR SDRAM CL2.5
Disk Subsystem: IBM DPTA-372050
Other Hardware: None

Software

Operating System: Windows 2000
Compiler: Compaq Visual Fortran 6.5
Intel C and Fortran 5.0 Microsoft Visual Studio 6.0 (libraries)
MicroQuill SmartHeap Library 5.0
File System: FAT32
System State: Default

Notes/Tuning Information

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
Baseline: C icl -QaxK -Qipo +FDO ONESTEP
Baseline: Fortran f90 -Optimize:5 -fast ONESTEP
Portability: 178.galgel: -FI -Fe$@ -link -stack:3200000
shlW32M.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com
Peak tuning: ONESTEP plus
168.wupwise: ifl -O3 -Qxi -Qwp_ipo -Qprefetch +FDO
171.swim: f90 -Optimize:5 -fast
172.mgrid: f90 -Optimize:5 -fast
173.applu: f90 -Optimize:4 -fast
177.mesa: icl -O3 -QxiM -Qwp_ipo -Qprefetch +FDO
178.galgel: f90 -Optimize:5 -fast
179.art: icl -O3 -QxiM -QaxK -Qwp_ipo -Qprefetch +FDO
183.quake: icl -QxiM -Qrcd -Ow -Qipo +FDO shlW32M.lib
187.facerec: f90 -Optimize:5 -fast
188.amp: icl -O3 -Qxi -QaxK -Qwp_ipo -Qprefetch +FDO
189.lucas: ifl -O3 -QxiM -QaxK -Qwp_ipo -Qprefetch +FDO shlW32M.lib
```



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Notes/Tuning Information (Continued)

```
191.fma3d:      f90 -Optimize:5 -fast
200.sixtrack:   ifl -O3 -QxiM -QaxK -Qwp_ipo -Qprefetch +FDO
301.apsi:       f90 -Optimize:5 -fast
```

Library ordering for 189.lucas (to include SmartHeap correctly with default libs): LIBS=libIEPCF90.lib libintrins.lib libF90.lib

```
libqwind.lib libm.lib shlw32M.lib LIBC.lib libirc.lib OLDNAMES.lib
```

The tested system can be assembled using an ATX case such as the Antec KS-282 and a 300W power supply such as the Sparkle FSP300-60GT.

Serial, parallel, sound, USB interfaces disabled in BIOS.

The system bus runs at 266MHz.