CFP2000 Result

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Advanced Micro Devices

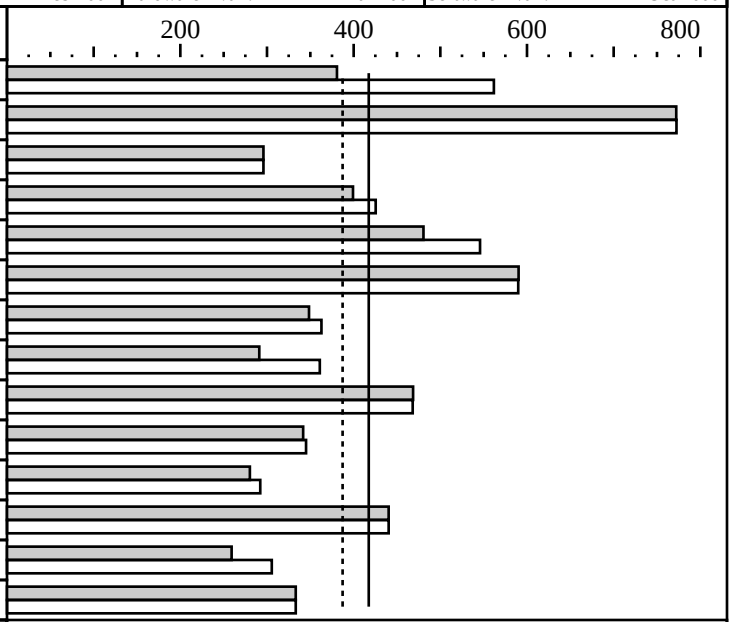
Gigabyte GA-7DX Motherboard, 1.2GHz Athlon Processor

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
168.wupwise	1600	420	381	285	562
171.swim	3100	401	772	401	772
172.mgrid	1800	608	296	608	296
173.applu	2100	526	399	494	425
177.mesa	1400	291	481	256	546
178.galgel	2900	491	590	492	590
179.art	2600	746	348	717	363
183.equake	1300	447	291	360	361
187.facerec	1900	405	469	406	468
188.ammp	2200	644	342	638	345
189.lucas	2000	714	280	684	292
191.fma3d	2100	477	440	477	440
200.sixtrack	1100	424	259	360	306
301.apsi	2600	780	333	780	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:32000000
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.equake:   icl -QxiM -Qrcd -Ow -Qipo +FDO shlW32M.lib
187.facerec:  f90 -Optimize:5 -fast
188.ammp:     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.
```