CFP2000 Result

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Advanced Micro Devices

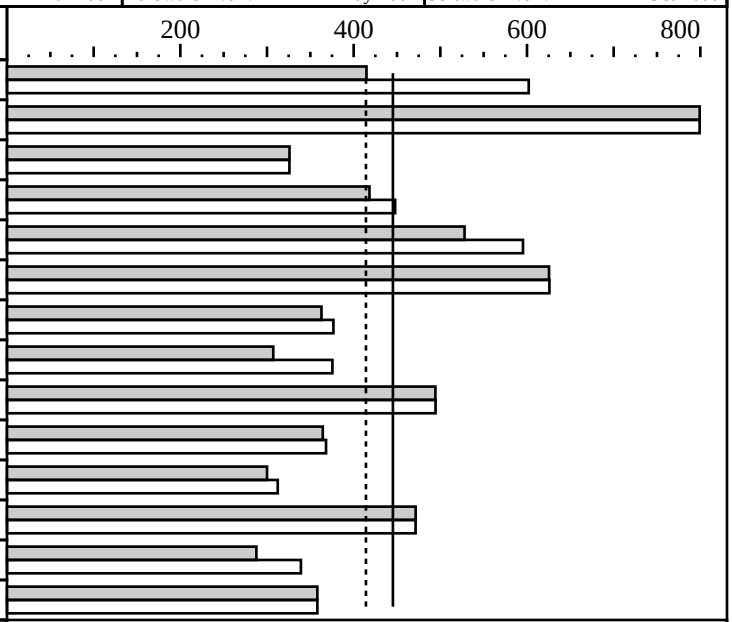
Gigabyte GA-7DX Motherboard, 1.33GHz Athlon Processor

SPECfp2000 = 445

SPECfp_base2000 = 414

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	386	415	266	602
171.swim	3100	388	799	388	799
172.mgrid	1800	552	326	552	326
173.applu	2100	502	418	469	448
177.mesa	1400	265	528	235	595
178.galgel	2900	464	625	463	626
179.art	2600	717	363	690	377
183.equake	1300	423	307	346	375
187.facerec	1900	384	494	384	494
188.ammp	2200	604	364	598	368
189.lucas	2000	667	300	640	312
191.fma3d	2100	445	472	445	471
200.sixtrack	1100	382	288	324	339
301.apsi	2600	726	358	726	358



Hardware

CPU:	1.33GHz AMD Athlon processor A1333AMS3C
CPU MHz:	1333
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
Disk Subsystem:	IBM DPTA-373420
Other Hardware:	None

Software

Operating System:	Windows 2000 SP1
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
icl and ifl are the Intel C/C++ and Fortran compilers; f90 is the Compaq compiler
shlW32M.lib is the SmartHeap library V5.0 from MicroQuill www.microquill.com
Portability:
178.galgel: -FI -Fe$@ -link -stack:32000000
Baseline: C       icl -QaxK -Qipo +FDO
Baseline: Fortran f90 -Optimize:5 -fast
Peak tuning:
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 +FDO
178.galgel:   f90 -Optimize:5 -fast
179.art:      icl -O3 -QxiM -QaxK -Qwp_ipo +FDO
183.equake:   icl -QxiM -Qrcd -Ow -Qipo +FDO shlW32M.lib
187.facerec:  f90 -Optimize:5 -fast
```

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Notes/Tuning Information (Continued)

```
 188.ammp:     icl -O3 -Qxi -QaxK -Qwp_ipo +FDO
 189.lucas:    ifl -O3 -QxiM -QaxK -Qwp_ipo -Qprefetch +FDO shlW32M.lib
 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
 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 266MHz
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