CFP2000 Result

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Advanced Micro Devices

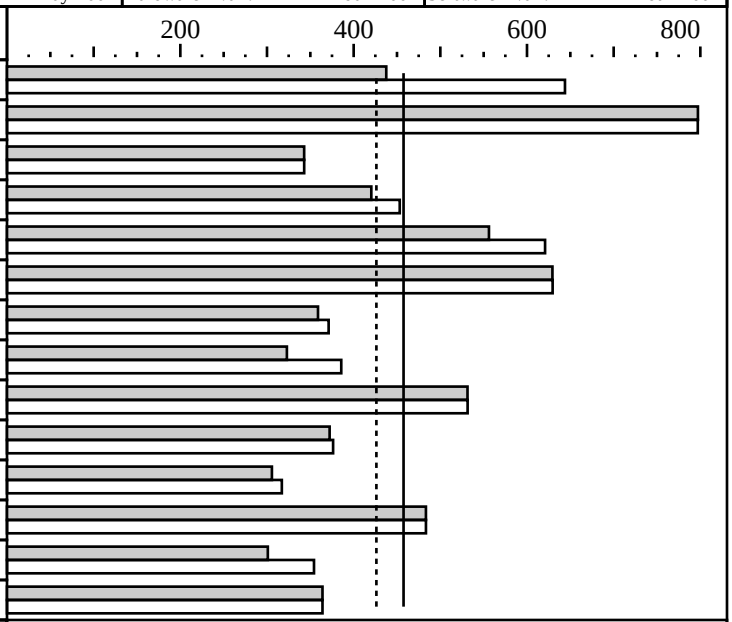
Gigabyte GA-7DX Motherboard, 1.4GHz Athlon Processor

SPECfp2000 = 458

SPECfp_base2000 = 426

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: May-2001 | Hardware Avail: Jun-2001 | Software Avail: Jan-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	366	438	249	644
171.swim	3100	389	797	389	797
172.mgrid	1800	525	343	525	343
173.applu	2100	500	420	463	453
177.mesa	1400	252	556	225	621
178.galgel	2900	461	629	461	630
179.art	2600	725	359	701	371
183.equake	1300	403	323	337	386
187.facerec	1900	358	531	357	531
188.ammp	2200	591	372	585	376
189.lucas	2000	654	306	631	317
191.fma3d	2100	434	483	434	483
200.sixtrack	1100	366	301	311	354
301.apsi	2600	714	364	714	364



Hardware

CPU:	1.4GHz AMD Athlon processor A1400AMS3C
CPU MHz:	1400
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 372050
Other Hardware:	None

Software

Operating System:	Windows 2000 SP1
Compiler:	Compaq Visual Fortran 6.5A Intel C/C++ 5.0 build 1120 and Intel Fortran 5.0 build 1120 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 Fortran 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 -QxiM -Qwp_ipo +FDO
178.galgel:   f90 -Optimize:5 -fast
179.art:      icl -QxiM -QaxK -Qwp_ipo +FDO
183.equake:   icl -QxiM -Qrcd -Ow -Qipo +FDO shlW32M.lib
```

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Notes/Tuning Information (Continued)

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 187.facerec:  f90 -Optimize:5 -fast
 188.ammp:     icl -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
```