CFP2000 Result

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Advanced Micro Devices

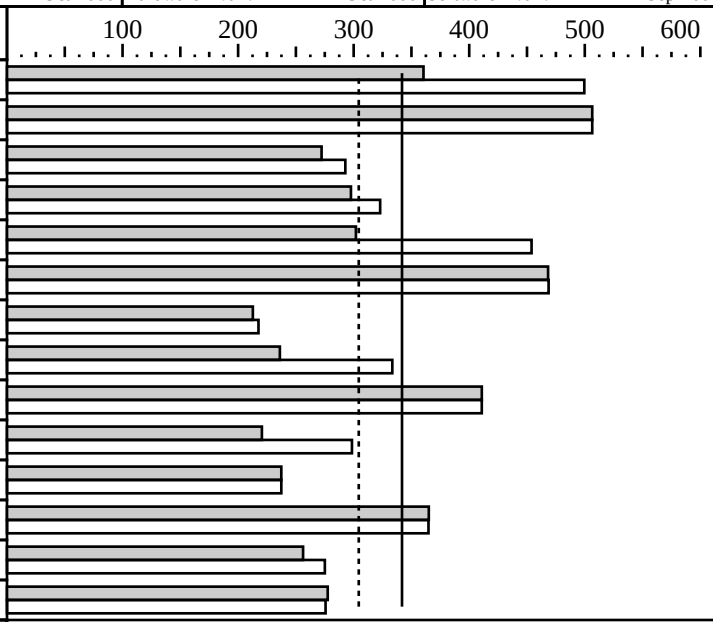
Gigabyte GA-7ZM motherboard 1.2GHz Athlon processor

SPECfp2000 = 342

SPECfp_base2000 = 304

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	444	360	320	500
171.swim	3100	612	506	612	506
172.mgrid	1800	661	272	615	293
173.applu	2100	706	298	650	323
177.mesa	1400	464	302	308	454
178.galgel	2900	619	468	619	469
179.art	2600	1222	213	1195	218
183.equake	1300	551	236	390	333
187.facerec	1900	462	411	462	411
188.ammp	2200	997	221	737	299
189.lucas	2000	843	237	842	237
191.fma3d	2100	575	365	576	365
200.sixtrack	1100	429	256	400	275
301.apsi	2600	937	278	943	276



Hardware

CPU:	1.2GHz AMD Athlon processor A1200AMT3B
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:	256MB PC133 SDRAM CL2 Non-ECC
Disk Subsystem:	IBM DPTA 372050 ATA-66
Other Hardware:	Ethernet, NVidia Riva TNT2 Model 64

Software

Operating System:	Windows 2000
Compiler:	Compaq Visual Fortran 6.5 Intel C and Fortran 4.5, 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_wp -Op +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 -Qipo_wp -QxK  +FDO shlW32M.lib
171.swim:     f90 -Optimize:5 -fast
172.mgrid:    ifl -Qipo_wp -QxK -O3 +FDO
173.applu:    f90 -Optimize:4 -fast
177.mesa:     icl -Qipo_wp -QaxK -O3 +FDO
178.galgel:   f90 -Optimize:5 -fast
179.art:      icl -Qipo_wp -QaxK -O3 +FDO
183.equake:   icl -QxK -Qrcd -Ow -Qipo_wp +FDO shlW32M.lib
187.facerec:  f90 -Optimize:5 -fast
188.ammp:     icl -Qipo_wp -QaxK -O3 +FDO
189.lucas:    f90 -Optimize:5 -fast
```

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Notes/Tuning Information (Continued)

```
 191.fma3d:    f90 -Optimize:5 -fast
 200.sixtrack: ifl -Qipo_wp -QaxK -O3 +FDO
 301.apsi:     f90 -Optimize:5 -fast
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 onboard peripherals disabled in BIOS
```