



CFP2000 Result

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Advanced Micro Devices
ASUS A7V Motherboard, 1.2GHz Athlon Processor

SPECfp2000 = 352
SPECfp_base2000 = 328

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	100 200 300 400 500 600					
168.wupwise	1600	448	357	316	506	[Bar chart showing ratio 506]					
171.swim	3100	595	521	595	521	[Bar chart showing ratio 521]					
172.mgrid	1800	655	275	655	275	[Bar chart showing ratio 275]					
173.applu	2100	697	301	642	327	[Bar chart showing ratio 327]					
177.mesa	1400	297	471	263	533	[Bar chart showing ratio 533]					
178.galgel	2900	601	482	601	482	[Bar chart showing ratio 482]					
179.art	2600	1078	241	1073	242	[Bar chart showing ratio 242]					
183.quake	1300	518	251	412	316	[Bar chart showing ratio 316]					
187.facerec	1900	459	414	459	414	[Bar chart showing ratio 414]					
188.amp	2200	752	293	746	295	[Bar chart showing ratio 295]					
189.lucas	2000	842	238	813	246	[Bar chart showing ratio 246]					
191.fma3d	2100	572	367	572	367	[Bar chart showing ratio 367]					
200.sixtrack	1100	426	258	362	304	[Bar chart showing ratio 304]					
301.apsi	2600	914	284	914	284	[Bar chart showing ratio 284]					

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
Disk Subsystem: WDC WD153BA
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.