CFP2000 Result

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Advanced Micro Devices

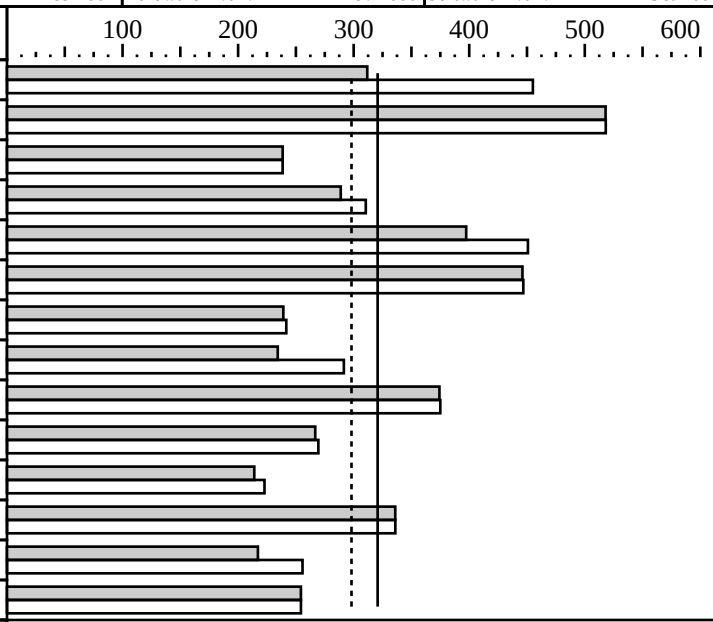
ASUS A7V Motherboard, 1.0GHz Athlon Processor

SPECfp2000 = 321

SPECfp_base2000 = 298

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
168.wupwise	1600	513	312	352	455
171.swim	3100	598	518	598	518
172.mgrid	1800	755	239	755	239
173.applu	2100	727	289	676	310
177.mesa	1400	352	397	311	451
178.galgel	2900	650	446	649	447
179.art	2600	1087	239	1076	242
183.equake	1300	555	234	446	292
187.facerec	1900	508	374	507	375
188.ammp	2200	825	267	816	269
189.lucas	2000	935	214	898	223
191.fma3d	2100	625	336	625	336
200.sixtrack	1100	507	217	430	256
301.apsi	2600	1022	254	1022	254



Hardware

CPU:	1.0GHz AMD Athlon processor A1000AMT3B
CPU MHz:	1000
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: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.
```