# CFP2000 Result



## Advanced Micro Devices

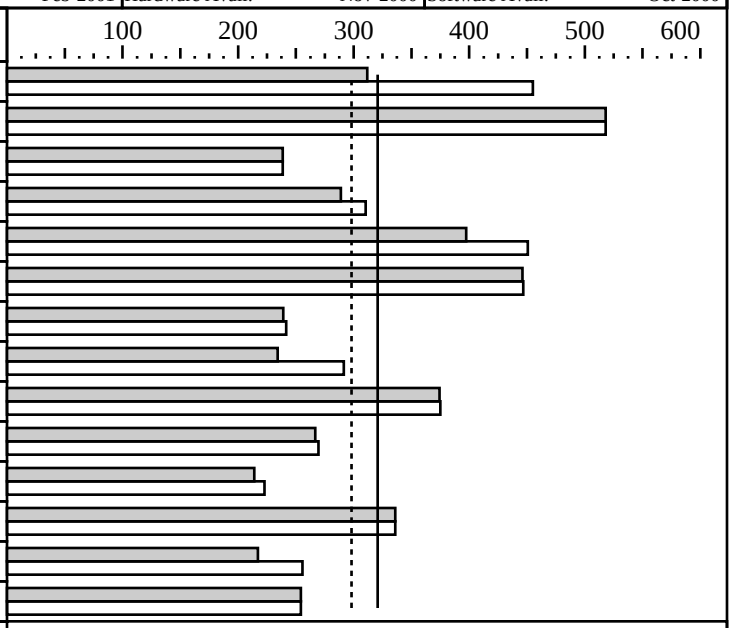
ASUS A7V Motherboard, 1.0GHz Athlon Processor

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<br>Intel C and Fortran 5.0 Microsoft Visual Studio 6.0 (libraries)<br>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
```

## 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.
```