



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Advanced Micro Devices
ASUS A7V Motherboard, 1.3GHz Athlon Processor

SPECfp2000 = 374
SPECfp_base2000 = 348

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

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio | 100 200 300 400 500 600 | | | | | |
|--------------|----------------|--------------|------------|---------|-------|-------------------------------|--|--|--|--|--|
| 168.wupwise | 1600 | 419 | 381 | 300 | 533 | [Bar chart showing ratio 533] | | | | | |
| 171.swim | 3100 | 562 | 551 | 562 | 551 | [Bar chart showing ratio 551] | | | | | |
| 172.mgrid | 1800 | 607 | 296 | 607 | 297 | [Bar chart showing ratio 297] | | | | | |
| 173.applu | 2100 | 658 | 319 | 605 | 347 | [Bar chart showing ratio 347] | | | | | |
| 177.mesa | 1400 | 273 | 513 | 242 | 579 | [Bar chart showing ratio 579] | | | | | |
| 178.galgel | 2900 | 571 | 508 | 571 | 508 | [Bar chart showing ratio 508] | | | | | |
| 179.art | 2600 | 1040 | 250 | 1038 | 250 | [Bar chart showing ratio 250] | | | | | |
| 183.quake | 1300 | 501 | 259 | 387 | 336 | [Bar chart showing ratio 336] | | | | | |
| 187.facerec | 1900 | 434 | 438 | 434 | 438 | [Bar chart showing ratio 438] | | | | | |
| 188.amp | 2200 | 705 | 312 | 697 | 316 | [Bar chart showing ratio 316] | | | | | |
| 189.lucas | 2000 | 784 | 255 | 758 | 264 | [Bar chart showing ratio 264] | | | | | |
| 191.fma3d | 2100 | 534 | 393 | 534 | 393 | [Bar chart showing ratio 393] | | | | | |
| 200.sixtrack | 1100 | 395 | 278 | 336 | 328 | [Bar chart showing ratio 328] | | | | | |
| 301.apsi | 2600 | 866 | 300 | 866 | 300 | [Bar chart showing ratio 300] | | | | | |

Hardware

CPU: 1.3GHz AMD Athlon processor A1300AMS3B
 CPU MHz: 1300
 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 PC133 SDRAM CL2 2 banks per DIMM
 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
 icl and ifl are the Intel C/C++ and Fortran compilers; f90 is the Compaq 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 -O3 -QxiM -Qwp_ipo +FDO
 178.galgel: f90 -Optimize:5 -fast
 179.art: icl -O3 -QxiM -QaxK -Qwp_ipo +FDO
 183.quake: icl -QxiM -Qrcd -Ow -Qipo +FDO shlw32M.lib
 187.facerec: f90 -Optimize:5 -fast



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Advanced Micro Devices
ASUS A7V Motherboard, 1.3GHz Athlon Processor

SPECfp2000 = 374
SPECfp_base2000 = 348

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Mar-2001 | Hardware Avail: Apr-2001 | Software Avail: Oct-2000

Notes/Tuning Information (Continued)

```
188.ammp:      icl -O3 -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 200MHz