CFP2000 Result

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Advanced Micro Devices

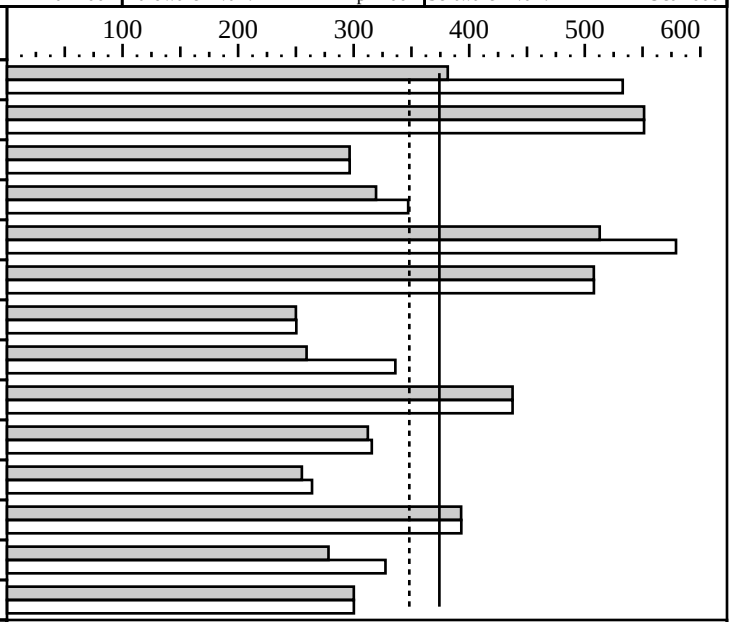
ASUS A7V Motherboard, 1.3GHz Athlon Processor

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
168.wupwise	1600	419	381	300	533
171.swim	3100	562	551	562	551
172.mgrid	1800	607	296	607	297
173.applu	2100	658	319	605	347
177.mesa	1400	273	513	242	579
178.galgel	2900	571	508	571	508
179.art	2600	1040	250	1038	250
183.equake	1300	501	259	387	336
187.facerec	1900	434	438	434	438
188.ammp	2200	705	312	697	316
189.lucas	2000	784	255	758	264
191.fma3d	2100	534	393	534	393
200.sixtrack	1100	395	278	336	328
301.apsi	2600	866	300	866	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.equake:   icl -QxiM -Qrcd -Ow -Qipo +FDO shlW32M.lib
187.facerec:  f90 -Optimize:5 -fast
```

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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
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