



# CFP2000 Result

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## Advanced Micro Devices

Asus A7M266-D Motherboard, AMD Athlon (TM) MP 2000+

SPECfp\_rate2000 = 6.91

SPECfp\_rate\_base2000 = 6.35

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Feb-2002 | Hardware Avail: Jan-2002 | Software Avail: Feb-2002

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	198	9.36	1	198	9.39
171.swim	1	374	9.62	1	366	9.82
172.mgrid	1	347	6.01	1	337	6.19
173.applu	1	435	5.61	1	426	5.72
177.mesa	1	158	10.3	1	157	10.3
178.galgel	1	593	5.68	1	330	10.2
179.art	1	663	4.55	1	629	4.80
183.quake	1	268	5.63	1	224	6.73
187.facerec	1	307	7.17	1	306	7.19
188.amp	1	559	4.56	1	519	4.92
189.lucas	1	350	6.63	1	346	6.70
191.fma3d	1	343	7.09	1	342	7.13
200.sixtrack	1	262	4.87	1	255	5.00
301.apsi	1	590	5.12	1	502	6.01

### Hardware

CPU: AMD Athlon (TM) MP 2000+  
CPU MHz: 1667  
FPU: Integrated  
CPU(s) enabled: 1 core, 1 chip, 1 core/chip  
CPU(s) orderable: 1, 2  
Parallel: No  
Primary Cache: 64KBI + 64KBD on chip  
Secondary Cache: 256KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 2x256MB PC2100 DDR SDRAM CL2  
Disk Subsystem: Seagate ST318451LW  
Other Hardware: None

### Software

Operating System: Windows 2000 SP2  
Compiler: Intel C++ 5.0.1 build 020125Z  
Intel Fortran 5.0.1 build 020125Z and Compaq Visual Fortran 6.6  
Microsoft Visual Studio 6.0 SP5 (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++ and Fortran compilers  
f90 is the Compaq Fortran 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 -QxK -Qipo +FDO shlw32M.lib  
Baseline: Fortran ifl -O3 -QxK -Qipo +FDO  
Peak tuning:  
168.wupwise: ifl -O3 -QxK -Qwp\_ipo +FDO  
171.swim: ifl -O3 -QxK -Qwp\_ipo +FDO  
172.mgrid: ifl -O3 -QxK -Qwp\_ipo +FDO  
173.applu: ifl -O3 -QxK -Qwp\_ipo -Qscalar\_rep- -Qauto +FDO  
177.mesa: icl -O3 -QxK -Qwp\_ipo -Oa +FDO shlw32M.lib  
178.galgel: f90 -Optimize:5 -fast  
179.art: icl -O3 -QxK -QaxW -Qwp\_ipo -Oa +FDO shlw32M.lib  
183.quake: icl -O3 -QxK -Qwp\_ipo -Qrcd -Oa +FDO shlw32M.lib



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## Notes/Tuning Information (Continued)

```
187.facerec: ifl -O3 -QxK -Qipo +FDO
188.ammf:    icl -O3 -QxK -Qwp_ipo -Oa +FDO
189.lucas:   ifl -O3 -QxK -Qwp_ipo +FDO shlw32M.lib
191.fma3d:   ifl -O3 -QxK -Qwp_ipo +FDO
200.sixtrack: ifl -QxK -QaxW -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 420W power supply such as the NSpire MSP-420P4B, and a PCI or AGP video card. The System bus runs at 266MHz