



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

## Advanced Micro Devices

MSI K7D Master Motherboard, AMD Athlon (TM) MP 2600+

SPECfp\_rate2000 = 7.54

SPECfp\_rate\_base2000 = 6.98

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Jan-2002 | Hardware Avail: Jan-2003 | Software Avail: Sep-2002

		Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
14	12	168.wupwise	1	173	10.8	1	172	10.8
10	8	171.swim	1	374	9.62	1	370	9.72
6	4	172.mgrid	1	348	6.00	1	347	6.01
2		173.applu	1	406	6.00	1	401	6.07
		177.mesa	1	128	12.7	1	126	12.9
		178.galgel	1	552	6.09	1	314	10.7
		179.art	1	676	4.46	1	637	4.73
		183.equake	1	238	6.33	1	206	7.34
		187.facerec	1	276	7.98	1	276	7.98
		188.amp	1	501	5.09	1	470	5.43
		189.lucas	1	325	7.15	1	325	7.15
		191.fma3d	1	310	7.86	1	310	7.86
		200.sixtrack	1	207	6.17	1	200	6.37
		301.apsi	1	528	5.72	1	451	6.69

### Hardware

CPU: AMD Athlon(TM) AMSN2600DKT3C  
CPU MHz: 2133  
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: 1x512MB PC2100 DDR SDRAM CL2  
Disk Subsystem: Seagate ST320414A  
Other Hardware: None

### Software

Operating System: Windows XP Professional SP1  
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: NTFS  
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.equake: icl -O3 -QxK -Qwp\_ipo -Qrcd -Oa +FDO shlw32M.lib



# CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Advanced Micro Devices

MSI K7D Master Motherboard, AMD Athlon (TM) MP 2600+

SPECfp\_rate2000 = 7.54

SPECfp\_rate\_base2000 = 6.98

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Jan-2002 | Hardware Avail: Jan-2003 | Software Avail: Sep-2002

## 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 400W power supply such as the Antec SL400, and a PCI or AGP video card.

The System bus runs at 266MHz