



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Advanced Micro Devices

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

SPECfp2000 = 650

SPECfp_base2000 = 602

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	Score				
						300	600	900	1200	
168.wupwise	1600	173	928	172	930	[Bar chart showing score ~1100]				
171.swim	3100	374	829	370	838	[Bar chart showing score ~800]				
172.mgrid	1800	348	518	347	518	[Bar chart showing score ~500]				
173.applu	2100	406	518	401	524	[Bar chart showing score ~500]				
177.mesa	1400	128	1095	126	1110	[Bar chart showing score ~1100]				
178.galgel	2900	552	525	314	924	[Bar chart showing score ~900]				
179.art	2600	676	385	637	408	[Bar chart showing score ~400]				
183.quake	1300	238	545	206	632	[Bar chart showing score ~600]				
187.facerec	1900	276	688	276	688	[Bar chart showing score ~700]				
188.amp	2200	501	439	470	468	[Bar chart showing score ~450]				
189.lucas	2000	325	616	325	616	[Bar chart showing score ~600]				
191.fma3d	2100	310	678	310	677	[Bar chart showing score ~650]				
200.sixtrack	1100	207	532	200	549	[Bar chart showing score ~550]				
301.apsi	2600	528	493	451	577	[Bar chart showing score ~550]				

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.quake: 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+

SPECfp2000 = 650

SPECfp_base2000 = 602

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