



CFP2000 Result

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Advanced Micro Devices

Epox 8KHA+ Motherboard, AMD Athlon (TM) XP 2600+

SPECfp2000 = 710

SPECfp_base2000 = 655

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	300 600 900 1200			
168.wupwise	1600	157	1020	157	1022	[Bar chart showing ratio 1022]			
171.swim	3100	381	813	379	819	[Bar chart showing ratio 819]			
172.mgrid	1800	322	559	321	560	[Bar chart showing ratio 560]			
173.applu	2100	356	590	350	600	[Bar chart showing ratio 600]			
177.mesa	1400	125	1124	122	1152	[Bar chart showing ratio 1152]			
178.galgel	2900	544	533	283	1026	[Bar chart showing ratio 1026]			
179.art	2600	599	434	595	437	[Bar chart showing ratio 437]			
183.quake	1300	209	622	179	727	[Bar chart showing ratio 727]			
187.facerec	1900	235	808	235	809	[Bar chart showing ratio 809]			
188.amp	2200	440	500	411	535	[Bar chart showing ratio 535]			
189.lucas	2000	289	693	286	700	[Bar chart showing ratio 700]			
191.fma3d	2100	274	765	274	765	[Bar chart showing ratio 765]			
200.sixtrack	1100	205	536	199	553	[Bar chart showing ratio 553]			
301.apsi	2600	494	526	429	605	[Bar chart showing ratio 605]			

Hardware

CPU: AMD Athlon (TM) XP 2600+
 CPU MHz: 2133
 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: 2x256MB PC2100 DDR SDRAM CL2
 Disk Subsystem: Seagate ST320414A
 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.ampp:    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 300W power supply such as the Sparkle FSP300-60GT, and a PCI or AGP video card. The System bus runs at 266MHz