



CFP2000 Result

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Advanced Micro Devices

Epox 8KHA+ Motherboard, AMD Athlon (TM) XP 1700+

SPECfp2000 = 604

SPECfp_base2000 = 561

SPEC license #: 49 Tested by: AMD Austin TX Test date: Oct-2001 Hardware Avail: Nov-2001 Software Avail: Sep-2001

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	197	814	197	814	
171.swim	3100	391	793	391	793	
172.mgrid	1800	346	520	346	520	
173.applu	2100	397	529	391	537	
177.mesa	1400	179	783	174	803	
178.galgel	2900	541	536	313	927	
179.art	2600	610	426	595	437	
183.quake	1300	257	506	208	625	
187.facerec	1900	283	672	291	654	
188.amp	2200	504	436	471	467	
189.lucas	2000	330	605	327	612	
191.fma3d	2100	332	633	334	629	
200.sixtrack	1100	296	371	288	382	
301.apsi	2600	570	456	498	522	

Hardware

CPU: AMD Athlon (TM) XP 1700+
 CPU MHz: 1466
 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 PC2100 DDR SDRAM CL2
 Disk Subsystem: Seagate ST320414A
 Other Hardware: None

Software

Operating System: Windows 2000 SP1
 Compiler: Compaq Visual Fortran 6.6
 Intel C/C++ 5.0.1 build 010525Z
 Intel Fortran 5.0.1 build 010525Z
 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/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 -Qunroll10 +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)

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187.facerec:  f90 -Optimize:5 -fast
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 300W power supply such as the Sparkle FSP300-60GT, and a PCI or AGP video card.
The System bus runs at 266MHz