



CFP2000 Result

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Advanced Micro Devices

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

SPECfp_rate2000 = 10.6

SPECfp_rate_base2000 = 9.96

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	2	231	16.1	2	229	16.2
171.swim	2	683	10.5	2	680	10.6
172.mgrid	2	571	7.31	2	570	7.33
173.applu	2	587	8.30	2	583	8.36
177.mesa	2	162	20.1	2	160	20.3
178.galgel	2	713	9.43	2	466	14.4
179.art	2	1170	5.15	2	1170	5.15
183.equake	2	304	9.91	2	270	11.2
187.facerec	2	370	11.9	2	370	11.9
188.amp	2	659	7.74	2	616	8.28
189.lucas	2	431	10.8	2	428	10.8
191.fma3d	2	442	11.0	2	442	11.0
200.sixtrack	2	264	9.67	2	257	9.94
301.apsi	2	677	8.91	2	590	10.2

Hardware

CPU: AMD Athlon (TM) MP 2000+
 CPU MHz: 1667
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 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.equake: icl -O3 -QxK -Qwp_ipo -Qrcd -Oa +FDO shlW32M.lib



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Notes/Tuning Information (Continued)

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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