CFP2000 Result

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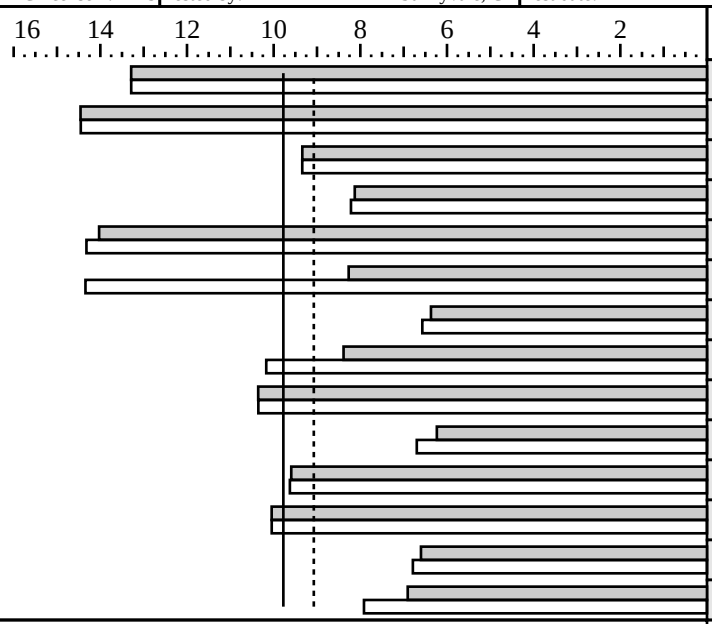
Advanced Micro Devices

ASUS A7N8X (REV 1.02) Motherboard, AMD Athlon (TM) XP 2800+

SPECfp_rate2000 = 9.78

SPECfp_rate_base2000 = 9.07

SPEC license #: 49 | Tested by: AMD Sunnyvale, CA | Test date: Sep-2002 | Hardware Avail: Dec-2002 | Software Avail: Sep-2002



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	140	13.3	1	140	13.3
171.swim	1	249	14.5	1	249	14.5
172.mgrid	1	224	9.34	1	224	9.34
173.applu	1	300	8.13	1	296	8.22
177.mesa	1	116	14.0	1	113	14.3
178.galgel	1	407	8.27	1	235	14.3
179.art	1	473	6.37	1	459	6.57
183.equake	1	180	8.39	1	148	10.2
187.facerec	1	213	10.4	1	213	10.4
188.ammp	1	409	6.23	1	381	6.70
189.lucas	1	242	9.59	1	241	9.63
191.fma3d	1	242	10.0	1	243	10.0
200.sixtrack	1	193	6.60	1	188	6.79
301.apsi	1	437	6.91	1	381	7.92

Hardware

CPU:	AMD Athlon (TM) XP 2800+
CPU MHz:	2250
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 PC2700 DDR SDRAM CL2.5
Disk Subsystem:	Western Digital WD1200
Other Hardware:	None

Software

Operating System:	Windows XP Pro, SP 1
Compiler:	Intel C++ 5.0.1 build 020125Z Intel Fortran 5.0.1 build 020125Z 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

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+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.ammp:     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 333MHz. The two SDRAMs were used in a dual-channel configuration.

Submitted_by: manas.mandal@amd.com
Submitted: Mon Sep 23 23:38:27 2002
Submission: cpu2000-20020923-01696.sub
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