CFP2000 Result

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Advanced Micro Devices

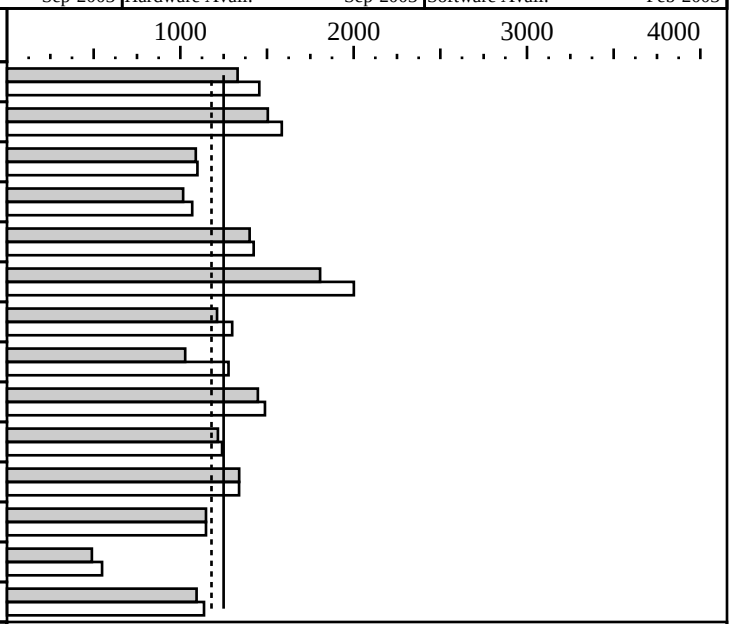
MSI K8 Neo (MS-6702) Motherboard, AMD Athlon (TM) 64 3200+

SPECfp2000 = 1250

SPECfp_base2000 = 1180

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Sep-2003 | Hardware Avail: Sep-2003 | Software Avail: Feb-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	120	1330	110	1456
171.swim	3100	206	1505	196	1585
172.mgrid	1800	165	1089	164	1099
173.applu	2100	207	1016	197	1069
177.mesa	1400	100	1400	98.4	1423
178.galgel	2900	161	1806	145	2001
179.art	2600	215	1212	200	1299
183.equake	1300	126	1028	102	1278
187.facerec	1900	131	1447	128	1488
188.ammp	2200	181	1217	177	1241
189.lucas	2000	149	1339	149	1339
191.fma3d	2100	183	1148	183	1148
200.sixtrack	1100	225	490	201	548
301.apsi	2600	238	1094	229	1137



Hardware

CPU:	AMD Athlon (TM) 64 ADA3200AEP5AP
CPU MHz:	2000
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:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	2x512MB PC3200 DDR SDRAM CL2.0
Disk Subsystem:	Western Digital WD360GD, SATA, 10k rpm
Other Hardware:	None

Software

Operating System:	Microsoft Windows XP Professional Service Pack 1.0a
Compiler:	Intel C/C++ 7.0 build 20021212Z and Intel Fortran 7.0 build 20021212Z Compaq Visual Fortran Compiler Version 6.6 (Update B) Microsoft Visual Studio .NET 7.0.9466 (for libraries) MicroQuill Smartheap Library 6.0
File System:	NTFS
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
shlW32M6.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com
Portability:
  178.galgel: -FI -Fe$@ -link -stack:32000000
Baseline: C       icl +FD0 -O3 -QxW  -Qipo
Baseline: Fortran ifl +FDO -O3 -QxW  -Qipo
  168.wupwise:    ifl +FD0     -QxK  -Qipo -Ow
  171.swim:       f90 -Optimize:5 -alignment:dcommons -alignment:records
                  -alignment:sequence -architecture:k7
                  -assume:noaccuracy_sensitive -math_library:fast -tune:k7
  172.mgrid:      ifl +FD0 -O3 -QaxW -Qipo -Oa -Qprefetch-
  173.applu:      ifl +FD0 -O3 -QxK  -Qipo     -Qscalar_rep-           -Zp8
  177.mesa:       icl +FD0 -O3 -QxW  -Qipo -Oa -Qscalar_rep-
  178.galgel:     f90 -Optimize:5 -fast
  179.art:        icl                -Qipo -Oa              -Qunroll4 -Zp4
```

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Notes/Tuning Information (Continued)

```
   183.equake:     icl      -O3 -QxK  -Qipo -Oa shlW32M6.lib            -Zp4
   187.facerec:    ifl +FD0 -O3 -QaxW -Qipo     -Qscalar_rep- -Qunroll1
   188.ammp:       icl          -QxW        -Oa
   189.lucas:      ifl +FD0 -O3 -QxW  -Qipo     -Qprefetch-
   191.fma3d:      ifl basepeak=1
   200.sixtrack:   ifl                -Qipo -Oa                          -Zp4
   301.apsi:       f90 -Optimize:5 -fast
 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 460W power supply such as an Antec True 460, and a PCI or AGP video card.
BIOS set to "turbo mode"
```