# CFP2000 Result

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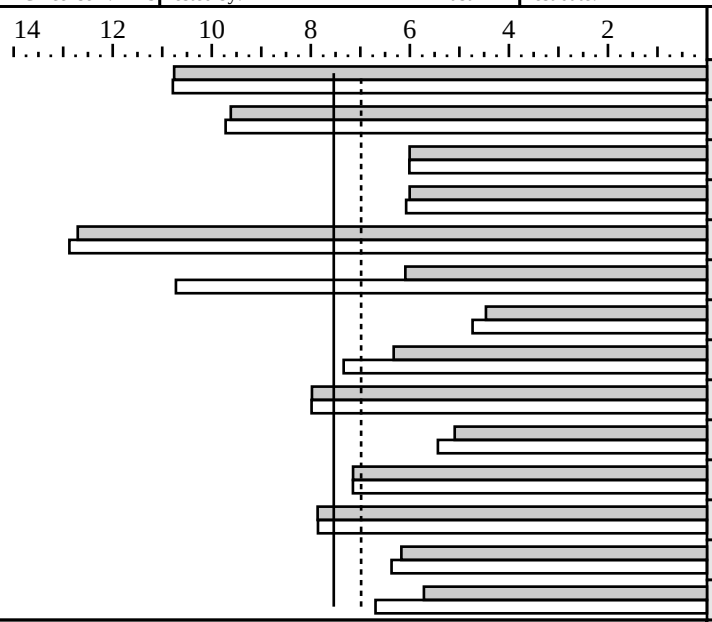
## Advanced Micro Devices

MSI K7D Master Motherboard, AMD Athlon (TM) MP 2600+

SPECfp_rate2000 = 7.54

SPECfp_rate_base2000 = 6.98

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Jan-2002 | Hardware Avail: Jan-2003 | Software Avail: Sep-2002




| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|---|---|---|---|---|---|---|
| 168.wupwise | 1 | 173 | 10.8 | 1 | 172 | 10.8 |
| 171.swim | 1 | 374 | 9.62 | 1 | 370 | 9.72 |
| 172.mgrid | 1 | 348 | 6.00 | 1 | 347 | 6.01 |
| 173.applu | 1 | 406 | 6.00 | 1 | 401 | 6.07 |
| 177.mesa | 1 | 128 | 12.7 | 1 | 126 | 12.9 |
| 178.galgel | 1 | 552 | 6.09 | 1 | 314 | 10.7 |
| 179.art | 1 | 676 | 4.46 | 1 | 637 | 4.73 |
| 183.equake | 1 | 238 | 6.33 | 1 | 206 | 7.34 |
| 187.facerec | 1 | 276 | 7.98 | 1 | 276 | 7.98 |
| 188.ammp | 1 | 501 | 5.09 | 1 | 470 | 5.43 |
| 189.lucas | 1 | 325 | 7.15 | 1 | 325 | 7.15 |
| 191.fma3d | 1 | 310 | 7.86 | 1 | 310 | 7.86 |
| 200.sixtrack | 1 | 207 | 6.17 | 1 | 200 | 6.37 |
| 301.apsi | 1 | 528 | 5.72 | 1 | 451 | 6.69 |

### Hardware

| | |
|---|---|
| CPU: | AMD Athlon(TM) AMSN2600DKT3C |
| CPU MHz: | 2133 |
| FPU: | Integrated |
| CPU(s) enabled: | 1 core, 1 chip, 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: | 1x512MB PC2100 DDR SDRAM CL2 |
| Disk Subsystem: | Seagate ST320414A |
| Other Hardware: | None |

### Software

| | |
|---|---|
| Operating System: | Windows XP Professional SP1 |
| Compiler: | Intel C++ 5.0.1 build 020125Z<br>Intel Fortran 5.0.1 build 020125Z and Compaq Visual Fortran 6.6<br>Microsoft Visual Studio 6.0 SP5 (libraries)<br>MicroQuill Smartheap Library 5.0 |
| File System: | NTFS |
| 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)

```
 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 400W power supply such as the Antec SL400, and a PCI or AGP video card.
The System bus runs at 266MHz
```