



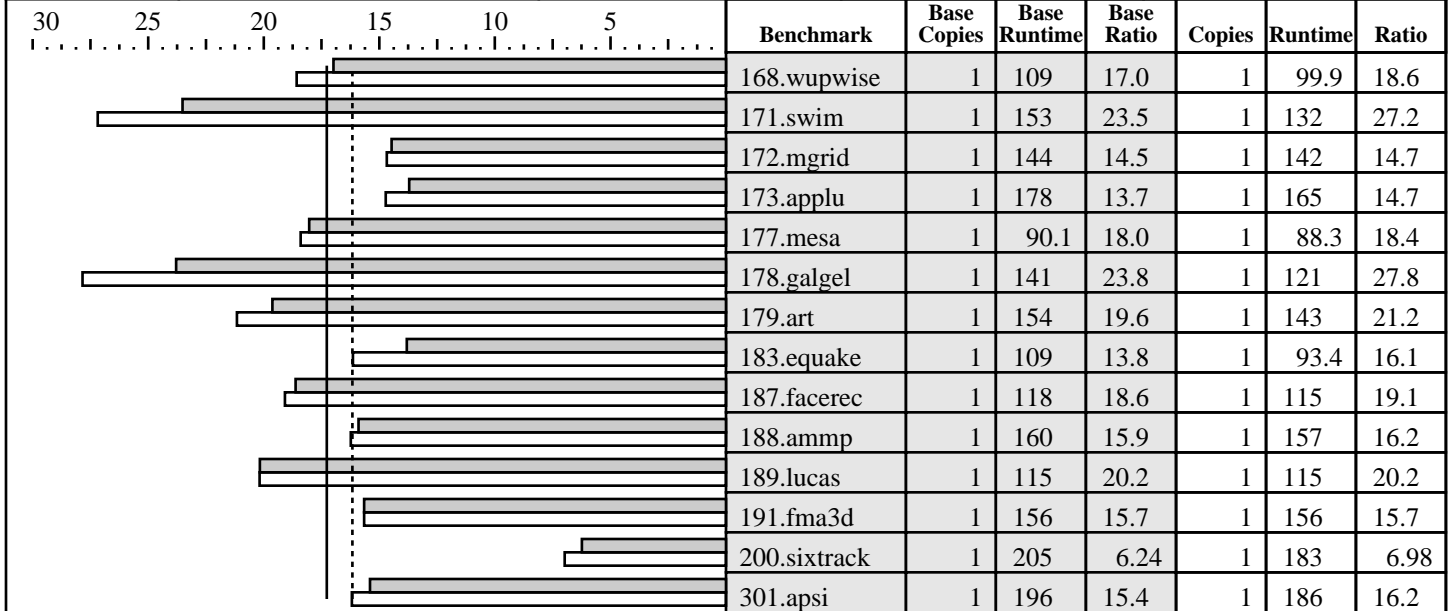
CFP2000 Result

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Advanced Micro Devices
ASUS SK8N Motherboard, AMD Opteron (TM) 148

SPECfp_rate2000 = 17.3
SPECfp_rate_base2000 = 16.2

SPEC license #: 49 Tested by: AMD, Austin, TX Test date: Nov-2003 Hardware Avail: Dec-2003 Software Avail: Dec-2002



Hardware

CPU: AMD Opteron (TM) 148
 CPU MHz: 2200
 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, ECC Registered
 Disk Subsystem: Western Digital WD2000, IDE
 Other Hardware: None

Software

Operating System: Microsoft Windows XP Professional SP1a
 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 +FDO -O3 -QxW -Qipo
 Baseline: Fortran ifl +FDO -O3 -QxW -Qipo
 Peak tuning:
 168.wupwise: ifl +FDO -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 +FDO -O3 -QaxW -Qipo -Oa -Qprefetch-
 173.applu: ifl +FDO -O3 -QxK -Qipo -Qscalar_rep- -Zp8
 177.mesa: icl +FDO -O3 -QxW -Qipo -Oa -Qscalar_rep-
 178.galgel: f90 -Optimize:5 -fast



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Notes/Tuning Information (Continued)

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179.art:          icl          -Qipo -Oa          -Qunroll14 -Zp4
183.equake:      icl          -O3 -QxK  -Qipo -Oa  shlw32M6.lib -Zp4
187.facerec:    ifl +FDO -O3 -QaxW -Qipo -Qscalar_rep- -Qunroll11
188.ampp:       icl          -QxW          -Oa
189.lucas:      ifl +FDO -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 480W power supply, and a PCI or AGP video card.