



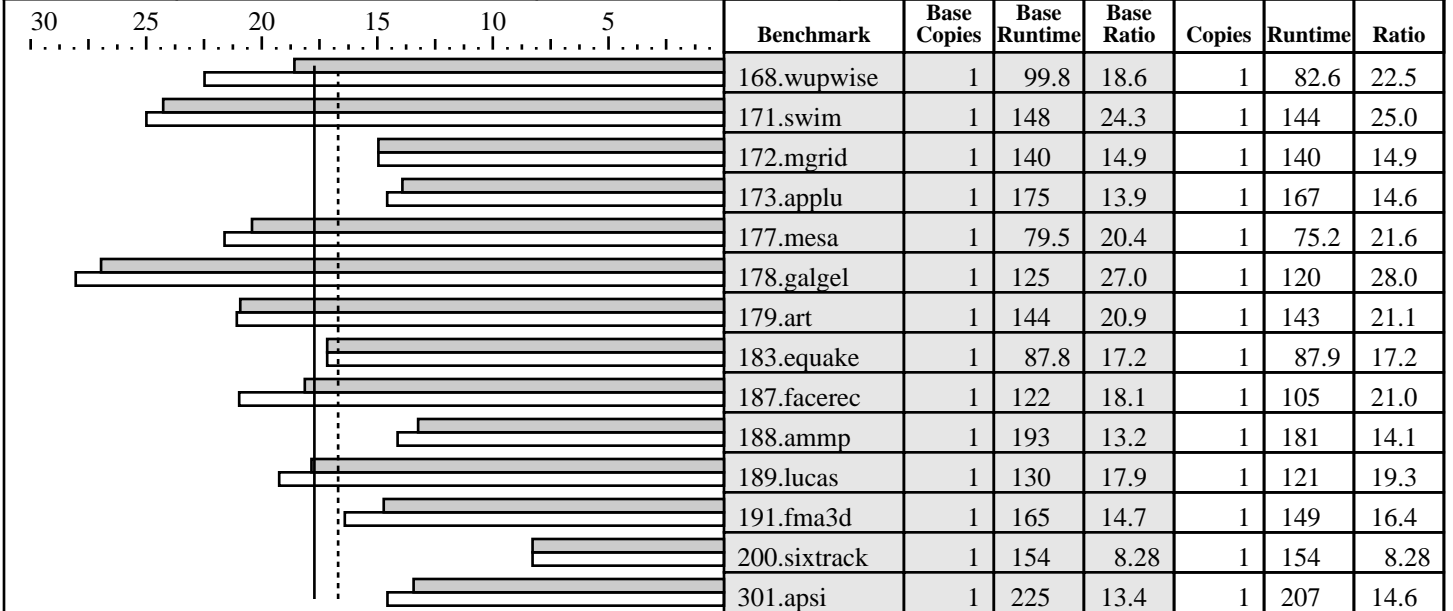
CFP2000 Result

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Advanced Micro Devices
ASUS SK8V Motherboard, AMD Opteron (TM)150

SPECfp_rate2000 = 17.7
SPECfp_rate_base2000 = 16.7

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: May-2004 | Hardware Avail: Jun-2004 | Software Avail: Apr-2004



Hardware

CPU: AMD Opteron (TM) 150
 CPU MHz: 2400
 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: 2x512 MB PC3200 DDR SDRAM ECC Reg CL2
 Disk Subsystem: SATA, Western Digital WD360GD
 Other Hardware: None

Software

Operating System: Microsoft Windows XP Professional SP1a
 Compiler: Intel C++ 8.0 build 20031229Z,
 Intel Fortran 8.0 build 20031017Z,
 PGI Fortran compiler 5.1-3 for Windows XP,
 AMD Core Math library Version 2.0 (ACML),
 Microsoft Visual Studio .NET 7.0.9466 (libraries),
 MicroQuill Smartheap Library 6.0
 File System: NTFS
 System State: Default

Notes/Tuning Information

Tested by AMD

```
+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use
+ACML is the AMD Core Math Library V2.0
ONESTEP is set for all peak runs.
ifort is the Intel Fortran compiler, icl is the Intel C++ compiler and
pgf90 is the PGI Fortran compiler.
Portability:
  178.galgel: -Mfixed
Baseline: C      : icl  -fast -arch:SSE2 -QaxW +FDO
Baseline: Fortran: pgf90 -fastsse -Mipa=fast
168.wupwise:      pgf90 -fastsse -Mipa=fast -Minline=levels:2
171.swim:         ifort  -O3 -QxW +FDO
172.mgrid:        pgf90 basepeak=yes
177.mesa:         icl    -Qipo -arch:SSE2 +FDO -Qunroll1 -Qansi_alias
                  -Qoption,f,-ip_ninl_max_stats=1500 -Qoption,f,-ip_ninl_max_total_stats=4500
178.galgel:       pgf90 -fastsse -O3 RM_SOURCES=lapak.f90 -Munix +ACML
179.art:          icl    -Qipo -Zp4 +FDO
```



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Notes/Tuning Information (Continued)

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183.equake:      icl  -fast -arch:SSE2 -QaxW +FDO -Qansi_alias
187.facerec:    ifort -fast                -QxW  +FDO
188.ammp:       icl  -Oa  -arch:SSE2 -Zp4          -Qansi_alias
189.lucas:      ifort                -QxW          -Qunroll1
191.fma3d:      ifort -fast                -QxW  +FDO -Qscalar_rep-
                -Qoption,f,-ip_ninl_max_stats=1000 -Qoption,f,-ip_ninl_max_total_stats=3500

```

200.sixtrack: pgf90 basepeak=yes

301.apsi: ifort -fast -QxW +FDO

The tested system can be assembled using an ATX case such as the Antec KS-282, a 480W power supply, such as the Antec True Power 480 and a PCI or AGP video card. BIOS rev.: 1001

Memory used is Corsair CMX512R-3200C2

Cas Latency manually set to 2.0 in BIOS