



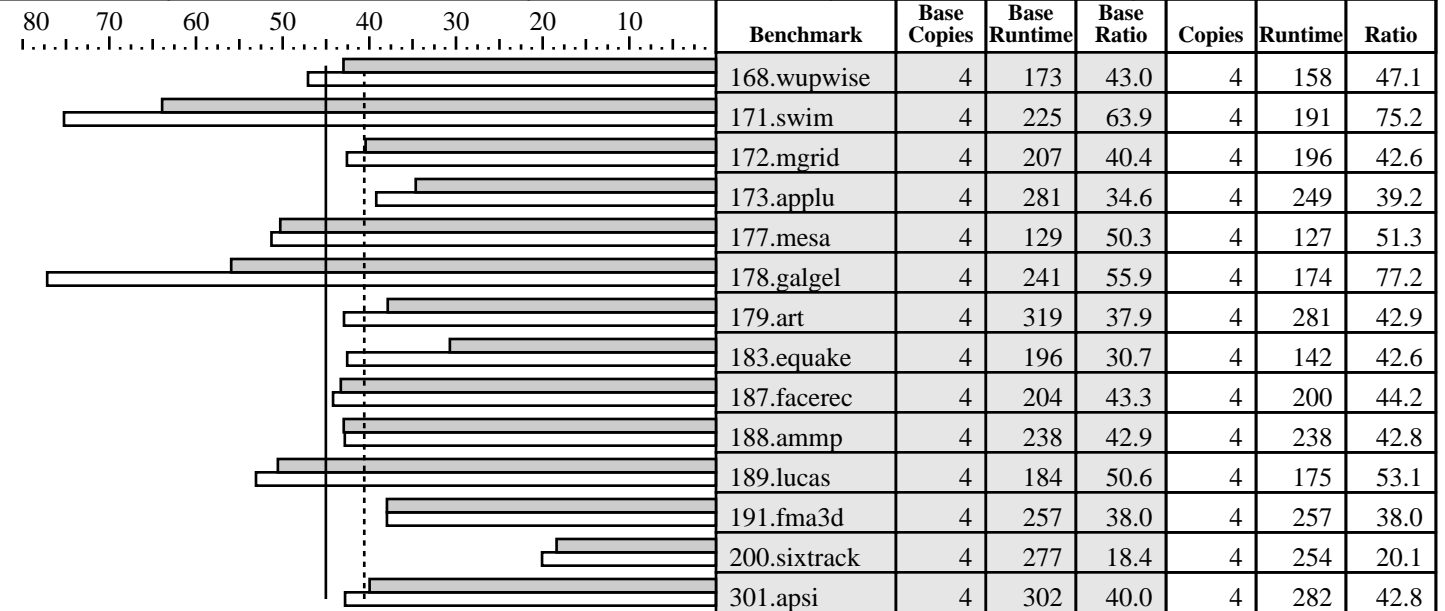
CFP2000 Result

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Einix
A4800

SPECfp_rate2000 = 45.0
SPECfp_rate_base2000 = 40.6

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Apr-2003 | Hardware Avail: Jul-2003 | Software Avail: May-2003



Hardware

CPU: AMD Opteron 842, 1.6 GHz
 CPU MHz: 1600
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 chips, 1 core/chip
 CPU(s) orderable: 1,2,4
 Parallel: No
 Primary Cache: 64KBI + 64KBD on chip
 Secondary Cache: 1024KB(I+D) on chip
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 16x512MB PC2700 DDR ECC Registered SDRAM CL2.5
 Disk Subsystem: IDE 7200 RPM
 Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise Edition
 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 (libraries)7.0.9466
 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.quake:   icl      -O3 -QxK -Qipo -Oa shlw32M6.lib -Zp4
187.facerec: ifl +FD0 -O3 -QaxW -Qipo -Qscalar_rep- -Qunroll11
188.ampp:    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

```