



CFP2000 Result

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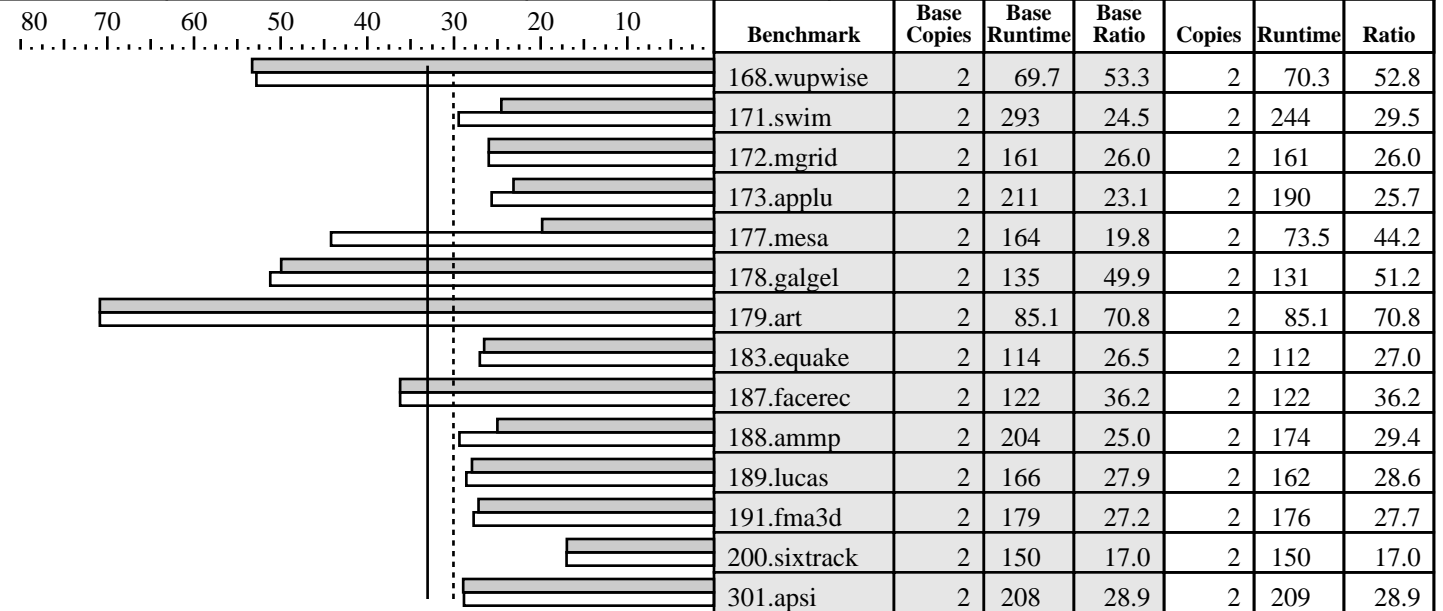
Velocity Micro

Gamer's Edge DualX, AMD Athlon(TM) 64 X2 4800+

SPECfp_rate2000 = 33.1

SPECfp_rate_base2000 = 30.1

SPEC license #: 49 | Tested by: AMD, Austin, Texas | Test date: Feb-2006 | Hardware Avail: Feb-2006 | Software Avail: Oct-2005



Hardware

CPU: AMD Athlon(TM) 64 X2 Dual Core 4800+ (939-pin)
 CPU MHz: 2400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1
 Parallel: no
 Primary Cache: 64KBI + 64KBD (on chip) per core
 Secondary Cache: 1024KB (I+D) (on chip) per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 2x512MB, Mushkin DDR400 CL2
 Disk Subsystem: SATA, 232 GB
 Other Hardware: None

Software

Operating System: Microsoft Windows XP Home Edition SP2
 Compiler: Intel C++ 9.0 build 20050912Z for IA32, Intel Fortran 9.0 build 20050912Z for IA32, Microsoft Visual Studio .NET 7.0.9466 (libraries) PGI Fortran compiler 6.0-5 for Windows XP, PGI C compiler 6.0-5 for Windows XP, ACML Version 2.5.3 (bundled with PGI 6.0-5)
 File System: NTFS
 System State: default

Notes/Tuning Information

Tested by Advanced Micro Devices

+FDO:

```
icl, ifort : PASS1=-Qprof_gen PASS2=-Qprof_use
pgf90      : PASS1=-Mpfi    PASS2=-Mpfo
```

ifort is the Intel Fortran compiler, icl is the Intel C++ compiler and
 pgf90 is the PGI Fortran 90 compiler.

pgcc is the PGI C compiler.

ONESTEP is set to 1 for every compile with the PGI compilers.

Portability:

178.galgel: -Mfixed

Baseline: C : pgcc -fastsse -Mipa=fast,inline

Baseline: Fortran: pgf90 -fastsse -Mipa=fast,inline +FDO

Peak tuning:

168.wupwise: pgf90 -fastsse -Mipa=fast,inline -Mnovect

171.swim: ifort -Qipo -O3 -QaxN -QxW -Qunroll0 +FDO

172.mgrid: pgf90 -fastsse -Mipa=fast,inline

173.applu: ifort -Qipo -O3 -QaxN -QxW -auto +FDO

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Notes/Tuning Information (Continued)

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177.mesa:          icl      -Qipo -QxW -Qunroll1 -Qansi_alias +FDO
                  -Qoption,c,-ip_ninl_max_stats=1500,-ip_ninl_max_total_stats=4500
178.galgel:       pgf90    -fastsse -Mipa=fast,safe -Munix -lacml
                  RM_SOURCES=lapak.f90
179.art:          pgcc     basepeak=yes
183.equake:       icl      -O3 -Qipo -QxW +FDO
187.facerec:     pgf90    basepeak=1
188.ampp:        icl      -Oa -QxW -Zp4 -Qansi_alias
189.lucas:       ifort    -Qipo -QxW -Qunroll1
191.fma3d:       pgf90    -Mipa=fast,inline -fastsse -Mno vect +FDO
200.sixtrack:    pgf90    -fastsse -Mipa=fast,inline
301.apsi:        pgf90    -fastsse -Mipa=fast,inline
Mushkin HP3200 memory used in Dual Channel configuration.
Memory timings manually set in BIOS: CAS=2, Trc=12, 1T/2T Memory Timings=1T
BIOS rev 1014

```