



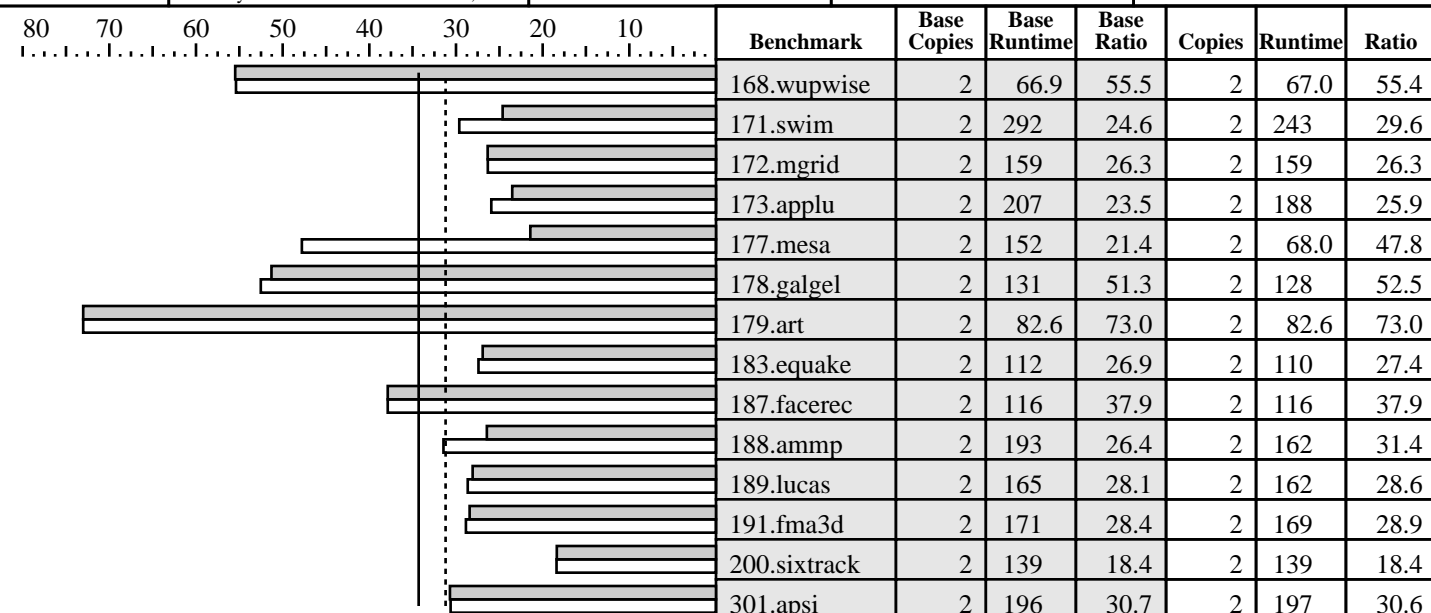
# CFP2000 Result

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**Velocity Micro**  
Gamer's Edge DualX, AMD Athlon(TM) 64 FX-60

SPECfp\_rate2000 = 34.3  
SPECfp\_rate\_base2000 = 31.2

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 FX-60 (939-pin)  
 CPU MHz: 2600  
 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

Standard Performance Evaluation Corporation

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http://www.spec.org



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## Notes/Tuning Information (Continued)

```

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

```