CFP2000 Result

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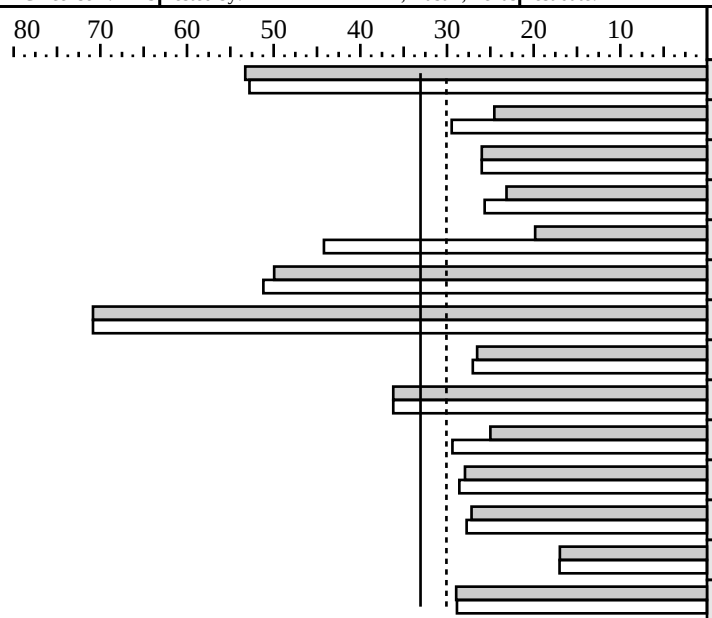
Velocity Micro

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	69.7	53.3	2	70.3	52.8
171.swim	2	293	24.5	2	244	29.5
172.mgrid	2	161	26.0	2	161	26.0
173.applu	2	211	23.1	2	190	25.7
177.mesa	2	164	19.8	2	73.5	44.2
178.galgel	2	135	49.9	2	131	51.2
179.art	2	85.1	70.8	2	85.1	70.8
183.equake	2	114	26.5	2	112	27.0
187.facerec	2	122	36.2	2	122	36.2
188.ammp	2	204	25.0	2	174	29.4
189.lucas	2	166	27.9	2	162	28.6
191.fma3d	2	179	27.2	2	176	27.7
200.sixtrack	2	150	17.0	2	150	17.0
301.apsi	2	208	28.9	2	209	28.9

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)

```
 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.ammp:           icl     -Oa   -QxW  -Zp4 -Qansi_alias
 189.lucas:          ifort   -Qipo -QxW -Qunroll1
 191.fma3d:          pgf90   -Mipa=fast,inline -fastsse -Mnovect +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
```