



CFP2000 Result

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Acer Incorporated
Altos G5350 (AMD Opteron (TM) 246)

SPECfp2000 = 1526
SPECfp_base2000 = 1413

SPEC license #: 97 Tested by: Acer Incorporated Test date: Oct-2005 Hardware Avail: Jul-2005 Software Avail: Jun-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	73.5	2176	74.2	2156	
171.swim	3100	157	1978	156	1989	
172.mgrid	1800	140	1287	140	1287	
173.applu	2100	169	1245	160	1313	
177.mesa	1400	185	758	94.5	1482	
178.galgel	2900	124	2346	114	2553	
179.art	2600	72.5	3589	72.5	3589	
183.quake	1300	92.5	1405	91.3	1424	
187.facerec	1900	120	1585	120	1586	
188.amp	2200	229	960	199	1106	
189.lucas	2000	128	1563	114	1747	
191.fma3d	2100	166	1264	164	1278	
200.sixtrack	1100	181	609	180	610	
301.apsi	2600	233	1115	234	1113	

Hardware

CPU: AMD Opteron (TM) 246
CPU MHz: 2000
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 64KBI + 64KBD on chip
Secondary Cache: 1024KB (I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4 x 1024MB, DDR400 CL3 ECC
Disk Subsystem: 1 x 36GB 10000RPM U320 SCSI HDD
Other Hardware: None

Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790)
Compiler: Intel C++ 9.0 build 20050430Z for IA32
Intel Fortran 9.0 build 20050722Z for IA32
PGI Fortran compiler 6.0-5
PGI C compiler 6.0-5
ACML Version 2.5.3 (bundled with PGI 6.0-5)
File System: NTFS
System State: default

Notes/Tuning Information

```
+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 -Mvect
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
177.mesa:      icl     -Qipo -arch:SSE2 -Qunroll1 -Qansi_alias +FDO
```



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Notes/Tuning Information (Continued)

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-Option,f,-ip_ninl_max_stats=1500,-ip_ninl_max_total_stats=4500
178.galgel:      pgf90  -fastsse -Mipa=fast,safe RM_SOURCES=lapak.f90
                -Munix -lacml
179.art:         pgcc   basepeak=yes
183.quake:      icl    -fast -arch:SSE2 -QaxW +FDO
187.facerec:    pgf90  -fastsse -Mipa=fast,inline +FDO
188.ampp:       icl    -Oa -arch:SSE2 -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

```