



CFP2000 Result

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Acer Incorporated
Altos G5350 (AMD Opteron (TM) 254)

SPECfp2000 = 1906
SPECfp_base2000 = 1753

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	57.8	2769	58.5	2735	
171.swim	3100	146	2124	139	2228	
172.mgrid	1800	110	1640	110	1640	
173.applu	2100	146	1442	134	1566	
177.mesa	1400	133	1052	68.3	2050	
178.galgel	2900	99.1	2926	92.7	3129	
179.art	2600	60.9	4272	60.9	4272	
183.earth	1300	79.8	1630	79.0	1646	
187.facerec	1900	94.5	2011	94.5	2011	
188.amp	2200	179	1227	149	1474	
189.lucas	2000	113	1769	101	1986	
191.fma3d	2100	132	1595	130	1614	
200.sixtrack	1100	130	846	130	847	
301.apsi	2600	177	1472	177	1469	

Hardware

CPU: AMD Opteron (TM) 254
 CPU MHz: 2800
 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

```