



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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

SPECfp_rate2000 = 22.1
SPECfp_rate_base2000 = 20.3

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	57.8	32.1	1	58.5	31.7
171.swim	1	146	24.6	1	139	25.8
172.mgrid	1	110	19.0	1	110	19.0
173.applu	1	146	16.7	1	134	18.1
177.mesa	1	133	12.2	1	68.4	23.7
178.galgel	1	99.5	33.8	1	92.8	36.3
179.art	1	60.8	49.6	1	60.8	49.6
183.equake	1	79.8	18.9	1	79.0	19.1
187.facerec	1	95.0	23.2	1	95.0	23.2
188.amp	1	180	14.2	1	149	17.1
189.lucas	1	113	20.5	1	101	23.0
191.fma3d	1	132	18.4	1	130	18.7
200.sixtrack	1	130	9.81	1	130	9.83
301.apsi	1	177	17.1	1	177	17.0

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



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

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

SPECfp_rate2000 = 22.1
SPECfp_rate_base2000 = 20.3

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

Notes/Tuning Information (Continued)

```
-Qoption,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
```