



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

**Acer Incorporated**  
**Altos G5350 (AMD Opteron (TM) 275)**

**SPECfp\_rate2000 = 60.8**  
**SPECfp\_rate\_base2000 = 56.2**

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	75.3	98.7	4	75.9	97.8
171.swim	4	295	48.8	4	256	56.1
172.mgrid	4	167	50.1	4	171	48.7
173.applu	4	214	45.4	4	195	49.9
177.mesa	4	170	38.3	4	86.7	74.9
178.galgel	4	141	95.1	4	136	99.3
179.art	4	107	113	4	107	113
183.equake	4	120	50.2	4	120	50.5
187.facerec	4	130	67.9	4	132	66.6
188.amp	4	225	45.4	4	190	53.8
189.lucas	4	172	54.1	4	166	55.8
191.fma3d	4	192	50.8	4	188	51.7
200.sixtrack	4	166	30.8	4	165	30.9
301.apsi	4	228	52.9	4	229	52.6

### Hardware

CPU: AMD Opteron (TM) 275  
 CPU MHz: 2200  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
 CPU(s) orderable: 1,2  
 Parallel: No  
 Primary Cache: 64KBI + 64KBD (on chip) per core  
 Secondary Cache: 1024KB (I+D) on chip (on chip) per core  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 8x1024MB, DDR400 CL3 ECC  
 Disk Subsystem: 1 x 36GB 10000RPM U320 SCSI HDD  
 Other Hardware: None

### Software

Operating System: Microsoft Windows Server 2003 Standard 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) 275)

SPECfp\_rate2000 = 60.8  
SPECfp\_rate\_base2000 = 56.2

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

## Notes/Tuning Information (Continued)

```

-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

```