# CFP2000 Result

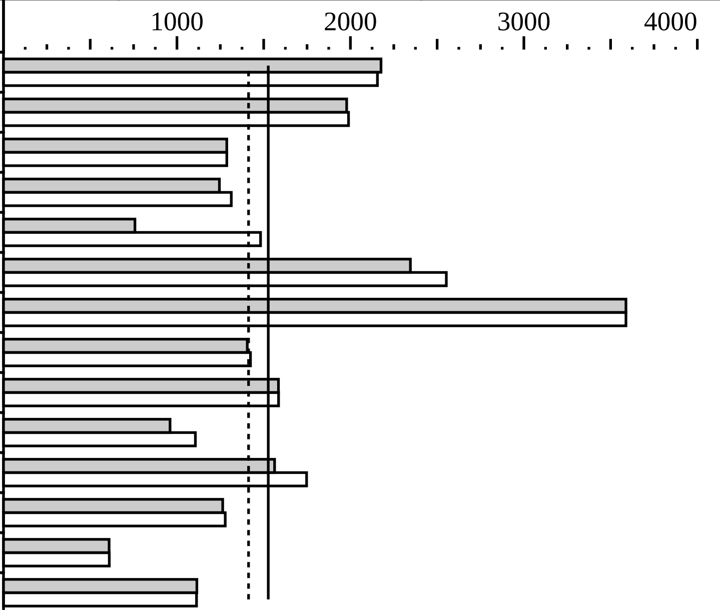


## Acer Incorporated
## Altos G5350 (AMD Opteron (TM) 246)

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.equake | 1300 | 92.5 | 1405 | 91.3 | 1424 |
| 187.facerec | 1900 | 120 | 1585 | 120 | 1586 |
| 188.ammp | 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<br>Intel Fortran 9.0 build 20050722Z for IA32<br>PGI Fortran compiler 6.0-5<br>PGI C compiler 6.0-5<br>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 -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
177.mesa:           icl     -Qipo -arch:SSE2 -Qunroll1 -Qansi_alias +FDO
```

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|---|---|---|---|---|---|---|---|---|---|

## 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.equake:         icl     -fast -arch:SSE2 -QaxW +FDO
187.facerec:        pgf90   -fastsse -Mipa=fast,inline +FDO
188.ammp:           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
```