



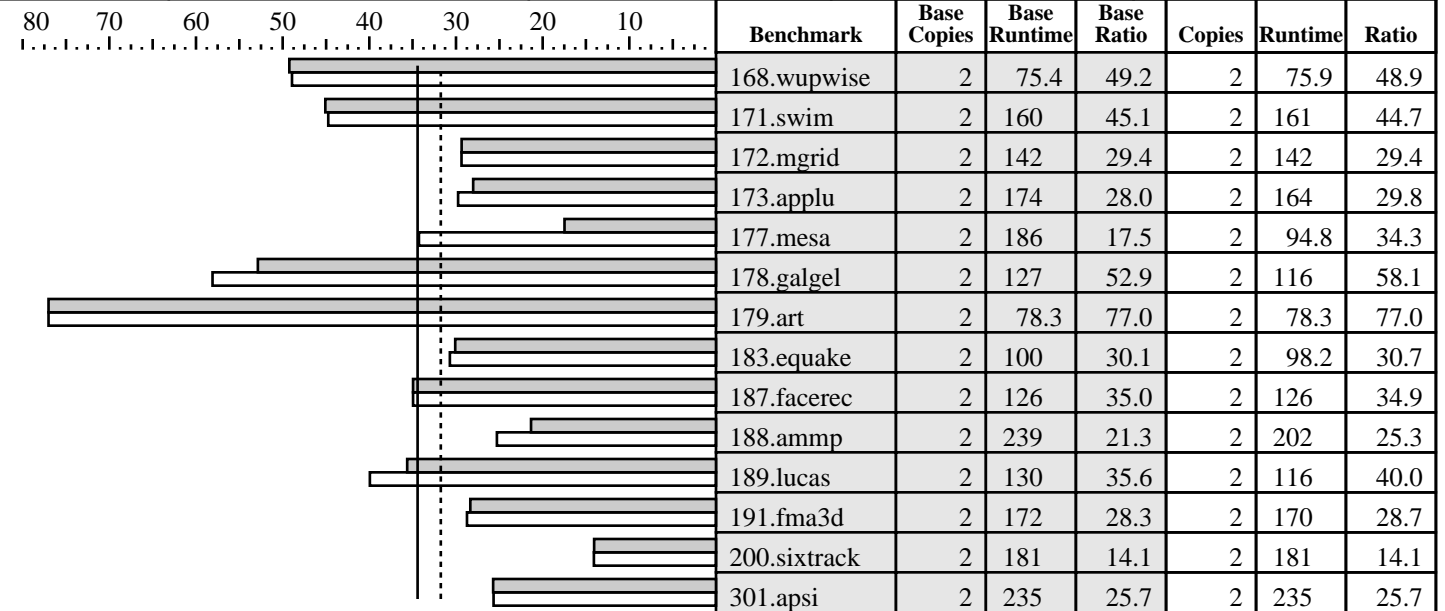
# CFP2000 Result

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

SPECfp\_rate2000 = 34.4  
SPECfp\_rate\_base2000 = 31.8

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



### Hardware

CPU: AMD Opteron (TM) 246  
 CPU MHz: 2000  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 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: 8 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

```