CFP2000 Result

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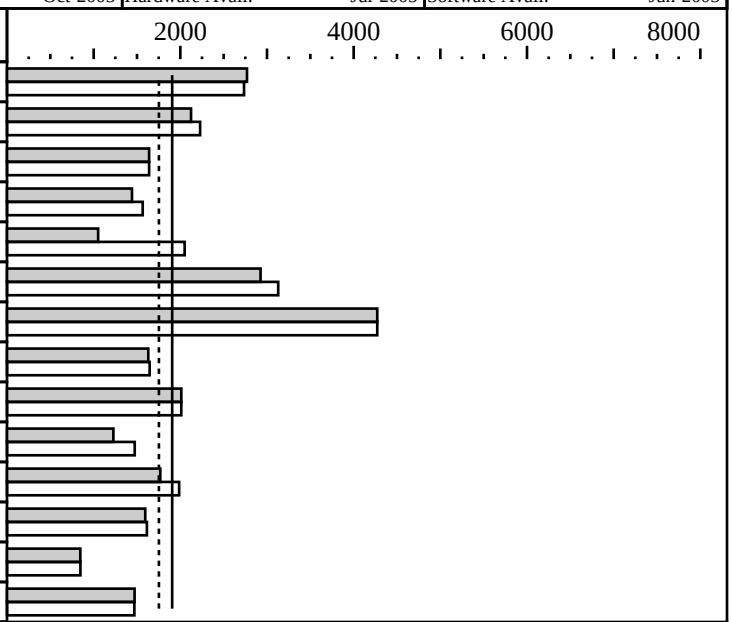
Acer Incorporated
Altos G5350 (AMD Opteron (TM) 254)

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.equake	1300	79.8	1630	79.0	1646
187.facerec	1900	94.5	2011	94.5	2011
188.ammp	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 -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)

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                    -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
```