CFP2000 Result

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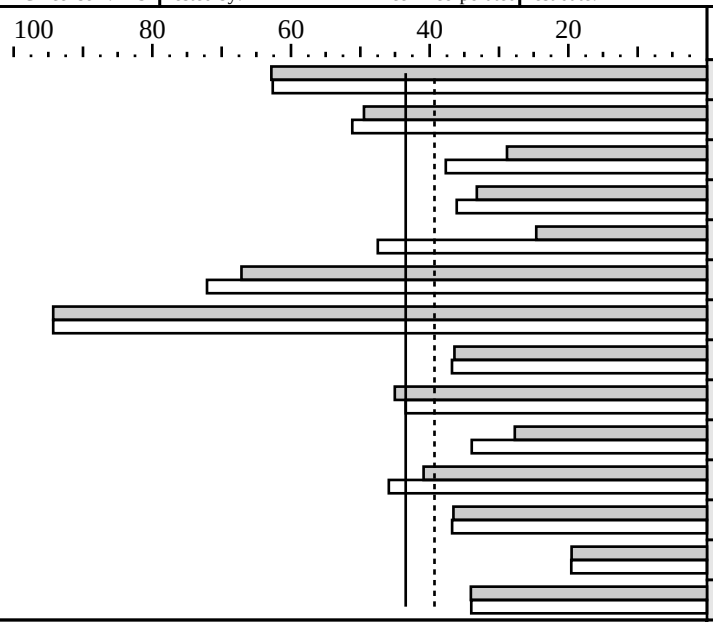
Acer Incorporated
Altos G5350 (AMD Opteron (TM) 254)

SPECfp_rate2000 = 43.5

SPECfp_rate_base2000 = 39.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	59.1	62.8	2	59.3	62.6
171.swim	2	145	49.5	2	141	51.2
172.mgrid	2	145	28.8	2	111	37.7
173.applu	2	147	33.2	2	135	36.1
177.mesa	2	132	24.6	2	68.4	47.5
178.galgel	2	100	67.1	2	93.3	72.1
179.art	2	64.0	94.3	2	64.0	94.3
183.equake	2	82.8	36.4	2	82.0	36.8
187.facerec	2	97.9	45.0	2	101	43.4
188.ammp	2	184	27.7	2	150	33.9
189.lucas	2	114	40.9	2	101	45.9
191.fma3d	2	133	36.6	2	133	36.8
200.sixtrack	2	131	19.5	2	130	19.6
301.apsi	2	177	34.1	2	177	34.0

Hardware

CPU:	AMD Opteron (TM) 254
CPU MHz:	2800
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 Microsoft Visual Studio .Net 2003 (7.1.3091) 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)

```
                        -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
```