CFP2000 Result

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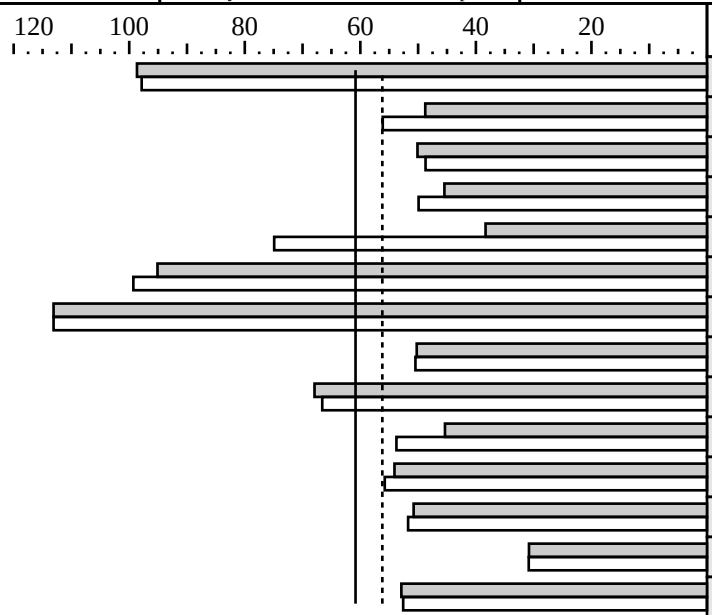
Acer Incorporated
Altos G5350 (AMD Opteron (TM) 275)

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.ammp	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 -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
```