CFP2000 Result

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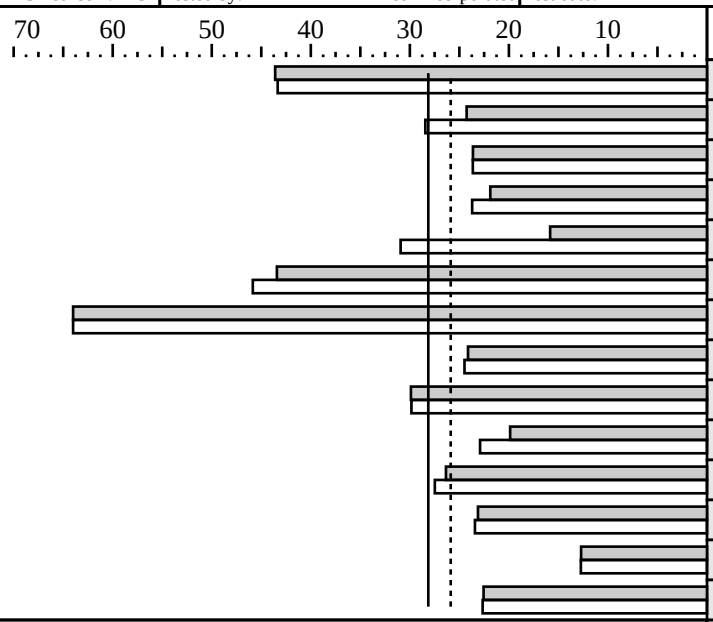
Acer Incorporated
Altos G5350 (AMD Opteron (TM) 265)

SPECfp_rate2000 = 28.1

SPECfp_rate_base2000 = 25.9

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	85.1	43.6	2	85.6	43.3
171.swim	2	296	24.3	2	253	28.4
172.mgrid	2	177	23.6	2	177	23.6
173.applu	2	223	21.9	2	205	23.7
177.mesa	2	205	15.8	2	105	30.9
178.galgel	2	155	43.4	2	147	45.9
179.art	2	94.3	64.0	2	94.3	64.0
183.equake	2	125	24.1	2	123	24.5
187.facerec	2	147	29.9	2	148	29.8
188.ammp	2	257	19.9	2	223	22.9
189.lucas	2	176	26.4	2	169	27.5
191.fma3d	2	211	23.1	2	208	23.4
200.sixtrack	2	201	12.7	2	200	12.7
301.apsi	2	267	22.6	2	266	22.7

Hardware

CPU:	AMD Opteron (TM) 265
CPU MHz:	1800
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 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, per core
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
```