CFP2000 Result

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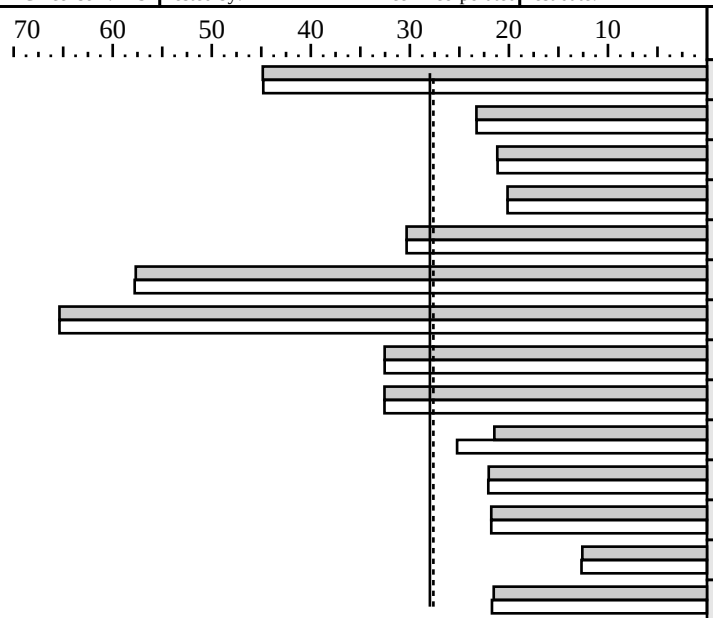
Acer Incorporated
Altos G530 (3.0 GHz Intel Xeon)

SPECfp_rate2000 = 28.0

SPECfp_rate_base2000 = 27.6

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: Aug-2005 | Hardware Avail: Aug-2005 | Software Avail: Oct-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	82.8	44.8	2	82.9	44.8
171.swim	2	309	23.3	2	309	23.3
172.mgrid	2	197	21.2	2	198	21.1
173.applu	2	242	20.1	2	242	20.1
177.mesa	2	107	30.3	2	107	30.3
178.galgel	2	117	57.7	2	116	57.8
179.art	2	92.3	65.4	2	92.3	65.4
183.equake	2	92.7	32.5	2	92.7	32.5
187.facerec	2	135	32.6	2	135	32.6
188.ammp	2	238	21.5	2	202	25.2
189.lucas	2	211	22.0	2	210	22.1
191.fma3d	2	224	21.8	2	224	21.8
200.sixtrack	2	203	12.6	2	201	12.7
301.apsi	2	280	21.5	2	278	21.7

Hardware

CPU:	Intel Xeon (3.0 GHz, 2MB L2, 800MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip(Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12KB(I) micro-ops + 16KB(D) on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4 x 1024MB ECC DDR2-400 SDRAM
Disk Subsystem:	1 x 146GB 10000RPM U320 SCSI HDD
Other Hardware:	

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition (Build 3790) SP1
Compiler:	Intel C++ Build 20041019Z and Fortran Compiler 8.1 Build 20040802Z Microsoft Visual Studio .Net 2003(7.1.3091, for libraries) SmartHeap Library Version 7.4 from http://www.microquill.com/
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning for Fortran Programs :  -fast -Qansi_alias +FDO
177.mesa:Base for C Program: -fast +FDO shlw32M.lib
179.art:Base for C Program: -fast +FDO shlw32M.lib
183.equake:Base for C Program: -fast +FDO shlw32M.lib
188.ammp:Base for C Program: -fast +FDO shlw32M.lib
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -fast -Qansi_alias +FDO
171.swim:     -fast -Qansi_alias +FDO
172.mgrid:    -fast -Qansi_alias +FDO
173.applu:  basepeak=yes
177.mesa:   basepeak=yes
178.galgel:   -fast -Qansi_alias +FDO
179.art:      basepeak=yes
183.equake:   -fast -Oa -Qrcd -Qprof_gen shlw32M.lib
```

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Notes/Tuning Information (Continued)

```
187.facerec:  basepeak=yes
188.ammp:     -Oa -QxP
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
Enable hardware prefetching and adjacent cache line prefetch BIOS setting
```