CFP2000 Result

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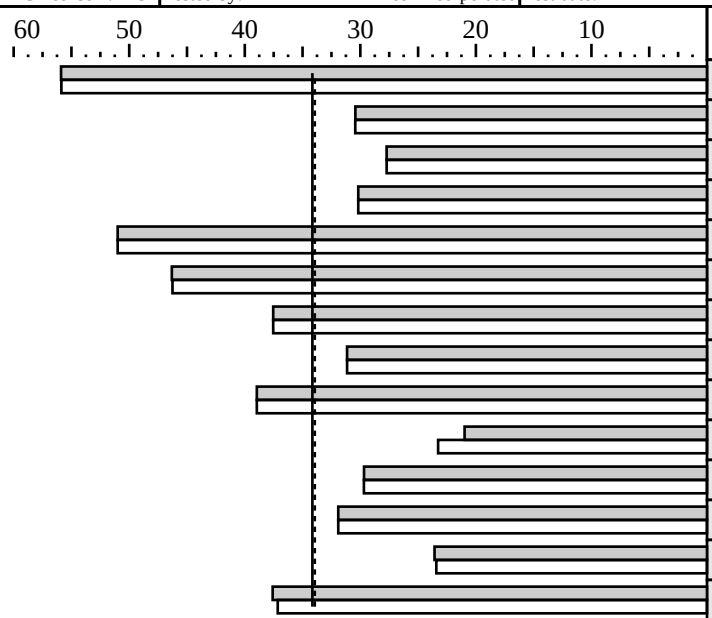
Acer Incorporated

Acer Altos R910 (2.66 GHz Intel Xeon Processor 7020)

SPECfp_rate2000 = 34.1

SPECfp_rate_base2000 = 33.9

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: Jun-2006 | Hardware Avail: Jun-2006 | Software Avail: Nov-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	133	55.9	4	133	55.9
171.swim	4	473	30.4	4	473	30.4
172.mgrid	4	301	27.7	4	301	27.7
173.applu	4	323	30.2	4	323	30.2
177.mesa	4	127	51.0	4	127	51.0
178.galgel	4	291	46.3	4	291	46.3
179.art	4	321	37.5	4	321	37.5
183.equake	4	194	31.1	4	194	31.1
187.facerec	4	226	39.0	4	226	39.0
188.ammp	4	487	21.0	4	439	23.3
189.lucas	4	313	29.7	4	313	29.7
191.fma3d	4	305	31.9	4	305	31.9
200.sixtrack	4	216	23.6	4	218	23.4
301.apsi	4	321	37.6	4	325	37.1

Hardware

CPU:	Intel Xeon Processor 7020 (2.66 GHz, 2x1MB L2, 667MHz system bus)
CPU MHz:	2660
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2,3,4
Parallel:	No
Primary Cache:	12KB(I) micro-ops + 16KB(D) on chip, per core
Secondary Cache:	1024KB(I+D) on chip, per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	16 x 1024MB ECC DDR2-400 SDRAM
Disk Subsystem:	1 x 73GB 10000RPM U320 SCSI HDD
Other Hardware:	

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1
Compiler:	Intel C++ 9.0 Build 20051130Z for IA32 and Fortran Compiler 9.0 Build 20051130Z for IA32 Microsoft Visual Studio .Net 2003 (7.1.3091, for libraries) shlW32M.lib is 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 all Fortran Programs :  -fast -Qansi_alias +FDO
Base tuning for all C Programs: -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 +FDO shlw32M.lib
187.facerec:  basepeak=yes
188.ammp:     -Oa -QxP
189.lucas:    -fast -Qprefetch- +FDO
```

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Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
Enable hardware prefetching and adjacent cache line prefetch BIOS setting
```