CFP2000 Result

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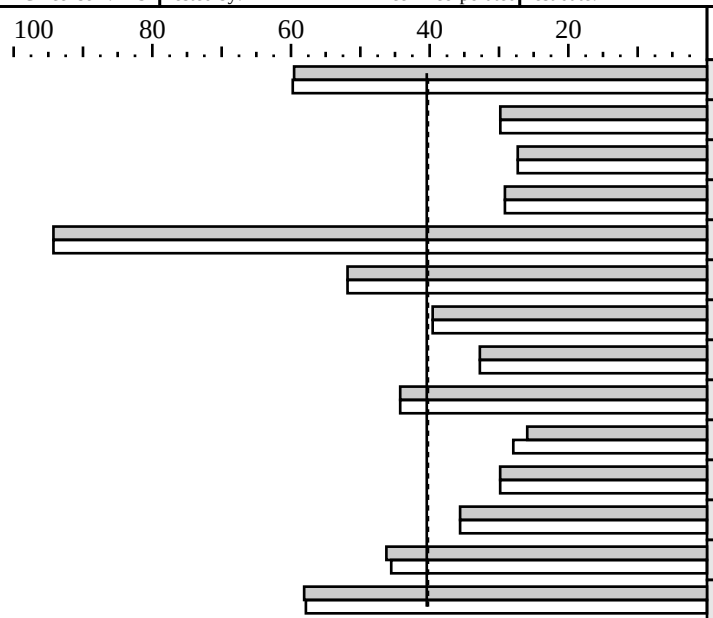
Acer Incorporated

Acer Altos R910 (2.66 GHz Intel Xeon Processor 7020)

SPECfp_rate2000 = 40.4

SPECfp_rate_base2000 = 40.3

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	249	59.6	8	249	59.7
171.swim	8	965	29.8	8	965	29.8
172.mgrid	8	612	27.3	8	612	27.3
173.applu	8	669	29.1	8	669	29.1
177.mesa	8	138	94.3	8	138	94.3
178.galgel	8	519	51.8	8	519	51.8
179.art	8	610	39.6	8	610	39.6
183.equake	8	368	32.8	8	368	32.8
187.facerec	8	398	44.2	8	398	44.2
188.ammp	8	787	25.9	8	731	27.9
189.lucas	8	622	29.8	8	622	29.8
191.fma3d	8	547	35.6	8	547	35.6
200.sixtrack	8	221	46.2	8	224	45.5
301.apsi	8	415	58.1	8	417	57.9

Hardware

CPU:	Intel Xeon Processor 7020 (2.66 GHz, 2x1MB L2, 667MHz system bus)
CPU MHz:	2660
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 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
```