CFP2000 Result

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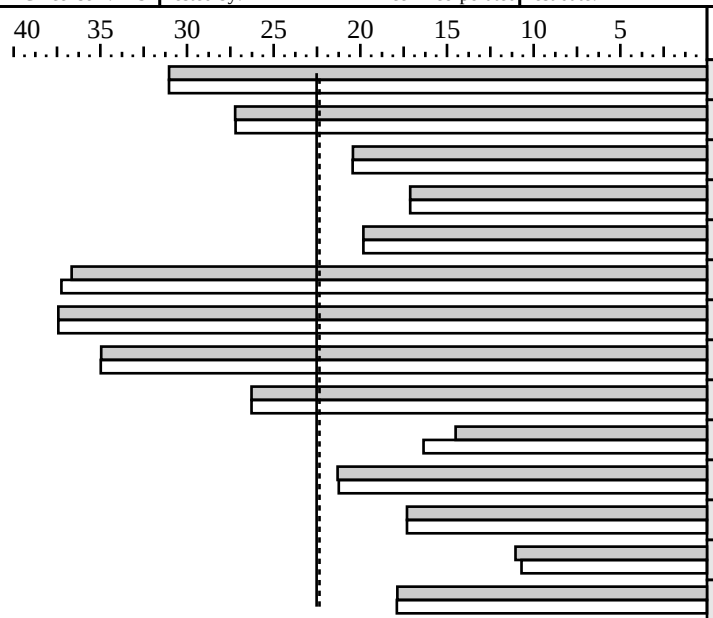
Acer Incorporated

Acer Altos R710 (3.8 GHz Intel Xeon processor, 2MB L2, 800MHz system bus)

SPECfp_rate2000 = 22.5

SPECfp_rate_base2000 = 22.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	120	31.0	2	120	31.0
171.swim	2	264	27.2	2	264	27.2
172.mgrid	2	204	20.4	2	204	20.4
173.applu	2	285	17.1	2	285	17.1
177.mesa	2	164	19.8	2	164	19.8
178.galgel	2	184	36.7	2	181	37.2
179.art	2	161	37.4	2	161	37.4
183.equake	2	86.3	34.9	2	86.2	35.0
187.facerec	2	168	26.3	2	168	26.3
188.ammp	2	352	14.5	2	312	16.4
189.lucas	2	218	21.3	2	218	21.2
191.fma3d	2	281	17.3	2	281	17.3
200.sixtrack	2	231	11.0	2	238	10.7
301.apsi	2	338	17.9	2	337	17.9

Hardware

CPU:	Intel Xeon (3.8 GHz, 2MB L2, 800MHz system bus)
CPU MHz:	3800
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip(Hyper-Threading Technology Enable)
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:	6 x 512MB 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)
Compiler:	Intel C++ 9.0 Build 20050430Z for IA32 and Fortran Compiler 9.0 Build 20050722Z 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
192.fma3d:   Approved windowsdp src.alt used
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
187.facerec:  basepeak=yes
188.ammp:     -Oa -QxP
```

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Notes/Tuning Information (Continued)

```
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
Product description located at http://www.acer.com
```