CFP2000 Result

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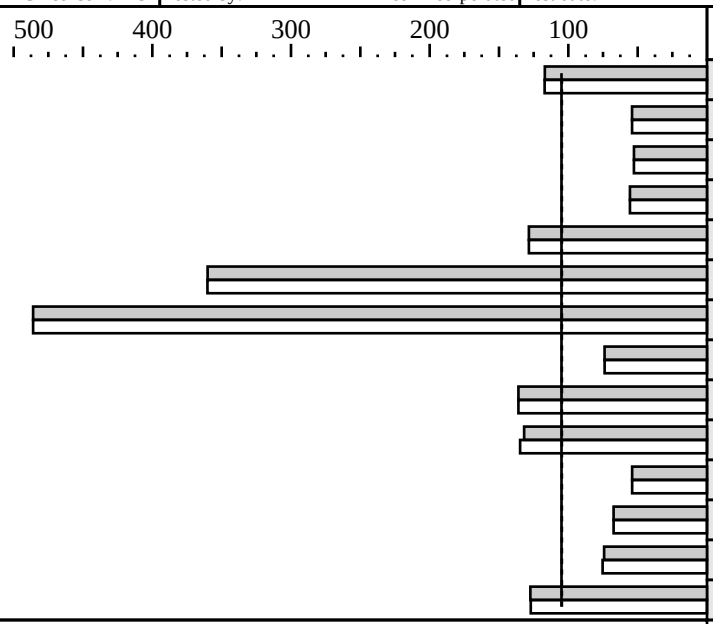
Acer Incorporated

Acer Altos R910 (3.4 GHz Intel Xeon Processor 7140M)

SPECfp_rate2000 = 105

SPECfp_rate_base2000 = 105

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: Aug-2006 | Hardware Avail: Aug-2006 | Software Avail: Mar-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	16	254	117	16	254	117
171.swim	16	1064	54.1	16	1065	54.0
172.mgrid	16	634	52.7	16	634	52.7
173.applu	16	701	55.6	16	701	55.6
177.mesa	16	202	128	16	202	128
178.galgel	16	149	360	16	149	360
179.art	16	99.3	486	16	99.3	486
183.equake	16	327	73.9	16	327	73.8
187.facerec	16	259	136	16	259	136
188.ammp	16	310	132	16	303	135
189.lucas	16	688	54.0	16	688	54.0
191.fma3d	16	579	67.4	16	579	67.4
200.sixtrack	16	275	74.2	16	271	75.3
301.apsi	16	379	127	16	380	127

Hardware

CPU:	Intel Xeon Processor 7140M (3.4 GHz, 16MB L3, 800MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2,3,4
Parallel:	No
Primary Cache:	12K(I) micro-ops + 16KB(D) on chip, per core
Secondary Cache:	1024KB(I+D) on chip, per core
L3 Cache:	16MB on chip, per chip
Other Cache:	N/A
Memory:	16 x 1024MB ECC DDR2-400 SDRAM
Disk Subsystem:	1 x 73GB 10000RPM SAS HDD
Other Hardware:	

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1
Compiler:	Intel C++ 9.1 Build 20060323Z for IA32 and Fortran Compiler 9.1 Build 20060323Z 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
```