CFP2000 Result

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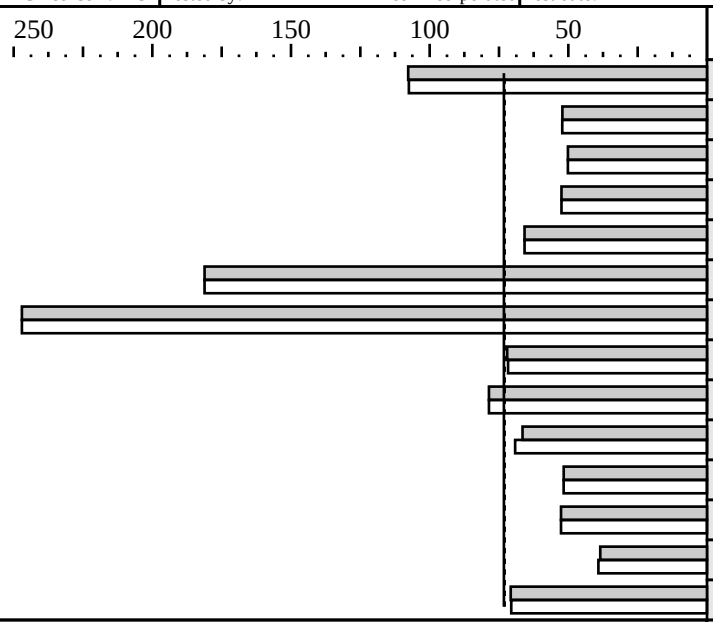
Acer Incorporated

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

SPECfp_rate2000 = 73.2

SPECfp_rate_base2000 = 73.0

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	8	138	108	8	138	107
171.swim	8	552	52.1	8	551	52.2
172.mgrid	8	333	50.1	8	333	50.2
173.applu	8	371	52.5	8	371	52.5
177.mesa	8	197	65.8	8	197	65.8
178.galgel	8	149	181	8	149	181
179.art	8	97.7	247	8	97.7	247
183.equake	8	167	72.0	8	168	71.7
187.facerec	8	224	78.6	8	224	78.6
188.ammp	8	307	66.5	8	295	69.2
189.lucas	8	359	51.7	8	359	51.7
191.fma3d	8	370	52.6	8	370	52.6
200.sixtrack	8	265	38.5	8	261	39.2
301.apsi	8	341	70.8	8	342	70.6

Hardware

CPU:	Intel Xeon Processor 7140M (3.4 GHz, 16MB L3, 800MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 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
```