CFP2000 Result

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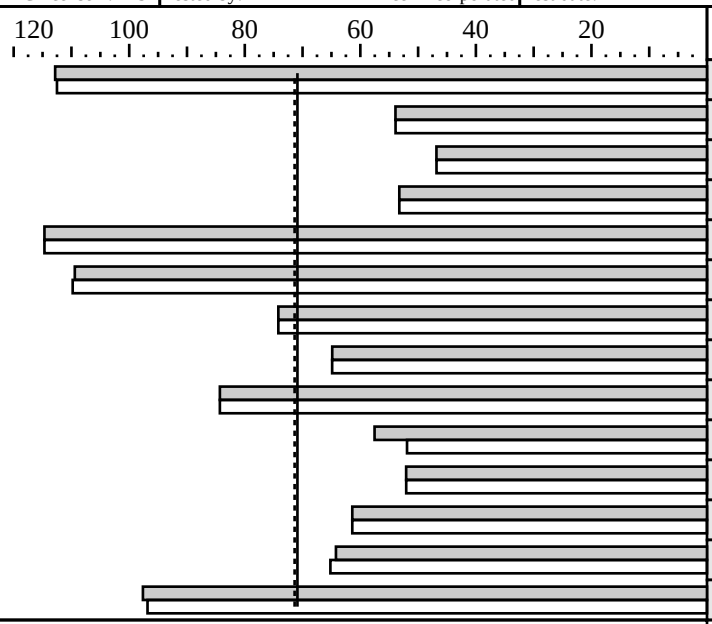
Acer Incorporated

Acer Altos R910 (3.0 GHz Intel Xeon Processor 7120M)

SPECfp_rate2000 = 70.9

SPECfp_rate_base2000 = 71.4

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: Sep-2006 | Hardware Avail: Aug-2006 | Software Avail: Mar-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	16	263	113	16	264	113
171.swim	16	1067	53.9	16	1067	53.9
172.mgrid	16	713	46.8	16	714	46.8
173.applu	16	732	53.3	16	732	53.3
177.mesa	16	227	115	16	227	115
178.galgel	16	492	109	16	490	110
179.art	16	650	74.2	16	650	74.2
183.equake	16	372	64.9	16	372	64.9
187.facerec	16	418	84.3	16	418	84.3
188.ammp	16	710	57.5	16	786	51.9
189.lucas	16	713	52.1	16	713	52.1
191.fma3d	16	635	61.4	16	635	61.4
200.sixtrack	16	318	64.2	16	313	65.2
301.apsi	16	494	97.6	16	498	96.8

Hardware

CPU:	Intel Xeon Processor 7120M (3.0 GHz, 4MB L3, 800MHz system bus)
CPU MHz:	3000
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:	4MB on chip (per chip), shared
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
```