CFP2000 Result

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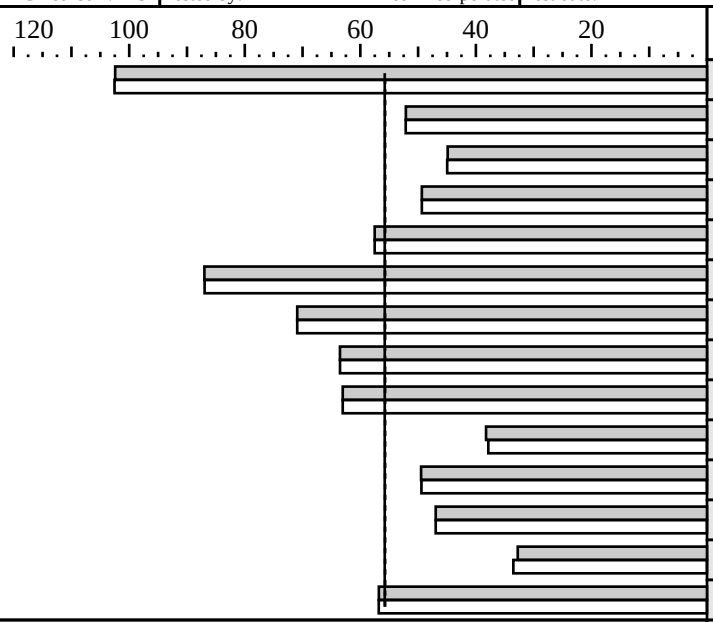
Acer Incorporated

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

SPECfp_rate2000 = 55.8

SPECfp_rate_base2000 = 55.7

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	145	102	8	145	103
171.swim	8	552	52.1	8	552	52.1
172.mgrid	8	372	44.9	8	371	45.0
173.applu	8	395	49.4	8	395	49.4
177.mesa	8	226	57.5	8	226	57.5
178.galgel	8	309	87.0	8	310	87.0
179.art	8	340	70.9	8	340	70.9
183.equake	8	190	63.5	8	190	63.5
187.facerec	8	280	63.0	8	280	63.0
188.ammp	8	534	38.2	8	539	37.9
189.lucas	8	375	49.5	8	376	49.4
191.fma3d	8	415	47.0	8	415	47.0
200.sixtrack	8	312	32.8	8	305	33.5
301.apsi	8	425	56.8	8	425	56.8

Hardware

CPU:	Intel Xeon Processor 7120M (3.0 GHz, 4MB L3, 800MHz system bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip (Hyper-Threading 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
```