CFP2000 Result

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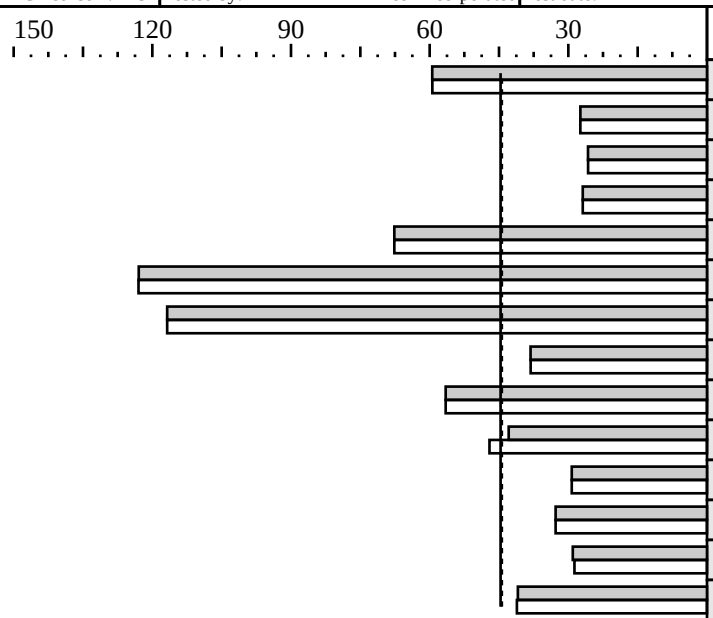
Acer Incorporated

Acer Altos R520 (1.6 GHz Intel Xeon Processor E5310)

SPECfp_rate2000 = 44.7

SPECfp_rate_base2000 = 44.4

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	125	59.4	4	125	59.4
171.swim	4	525	27.4	4	525	27.4
172.mgrid	4	324	25.7	4	325	25.7
173.applu	4	363	26.9	4	363	26.9
177.mesa	4	96.0	67.6	4	96.0	67.6
178.galgel	4	109	123	4	109	123
179.art	4	103	117	4	103	117
183.equake	4	158	38.2	4	158	38.2
187.facerec	4	156	56.5	4	156	56.5
188.ammp	4	238	42.9	4	217	47.1
189.lucas	4	317	29.3	4	317	29.3
191.fma3d	4	298	32.8	4	298	32.8
200.sixtrack	4	176	29.0	4	178	28.7
301.apsi	4	295	40.9	4	293	41.1

Hardware

CPU:	Intel Xeon Processor E5310 (1.6 GHz, 8MB L2, 1066 MHz system bus)
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32KB(I) + 32KB(D) on chip, per core
Secondary Cache:	8MB(I+D) on chip, per chip (4MB shared per 2 cores)
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 x 2048MB ECC FB-DIMM DDR2-667
Disk Subsystem:	1 x 73GB 10KRPM 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

The Altos R720 and Altos R520 are electronically equivalent.
```