CFP2000 Result

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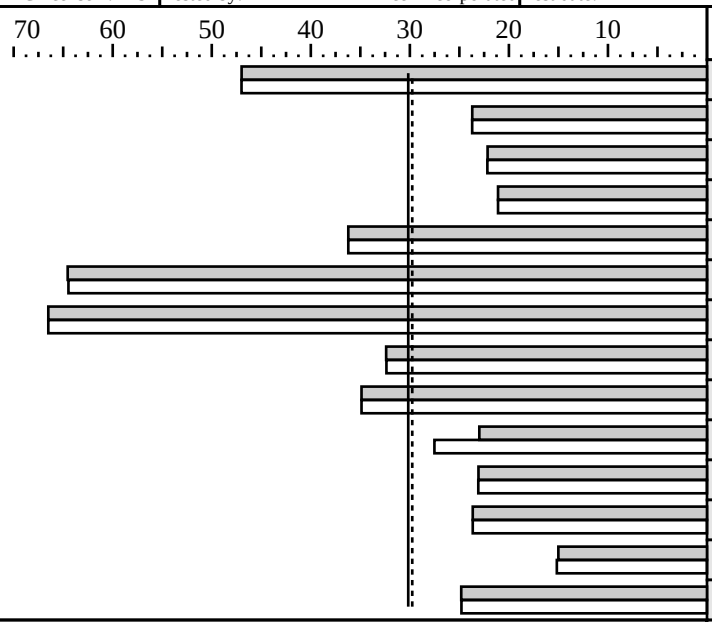
Acer Incorporated
Altos R510 (3.6 GHz Intel Xeon)

SPECfp_rate2000 = 30.2

SPECfp_rate_base2000 = 29.8

SPEC license #: 97 | Tested by: Acer Incorporated | Test date: May-2005 | Hardware Avail: May-2005 | Software Avail: Oct-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	79.0	47.0	2	79.0	47.0
171.swim	2	303	23.7	2	303	23.7
172.mgrid	2	189	22.2	2	188	22.2
173.applu	2	231	21.1	2	231	21.1
177.mesa	2	89.7	36.2	2	89.7	36.2
178.galgel	2	104	64.5	2	104	64.5
179.art	2	90.7	66.5	2	90.7	66.5
183.equake	2	93.1	32.4	2	93.2	32.4
187.facerec	2	126	34.9	2	126	34.9
188.ammp	2	222	23.0	2	185	27.5
189.lucas	2	201	23.1	2	201	23.1
191.fma3d	2	206	23.7	2	206	23.7
200.sixtrack	2	170	15.0	2	168	15.2
301.apsi	2	243	24.8	2	243	24.8

Hardware

CPU:	Intel Xeon (3.6 GHz, 2MB L2, 800MHz system bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12KB(I) micro-ops + 16KB(D) on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	6 x 512MB ECC DDR-333 SDRAM
Disk Subsystem:	1 x 120GB 7200RPM SATA HDD
Other Hardware:	

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition (Build 3790)
Compiler:	Intel C++ Build 20041019Z and Fortran Compiler 8.1 Build 20040802Z Microsoft Visual Studio .Net 2003(7.1.3091, for libraries) 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 Fortran Programs :  -fast -Qansi_alias +FDO
177.mesa:Base for C Program: -fast +FDO shlw32M.lib
179.art:Base for C Program: -fast +FDO shlw32M.lib
183.equake:Base for C Program: -fast +FDO shlw32M.lib
188.ammp:Base for C Program: -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 -Qprof_gen shlw32M.lib
```

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Notes/Tuning Information (Continued)

```
187.facerec:  basepeak=yes
188.ammp:     -Oa -QxP
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
Enable hardware prefetching and adjacent cache line prefetch BIOS setting
Product description located at http://www.acer.com
```