CFP2000 Result

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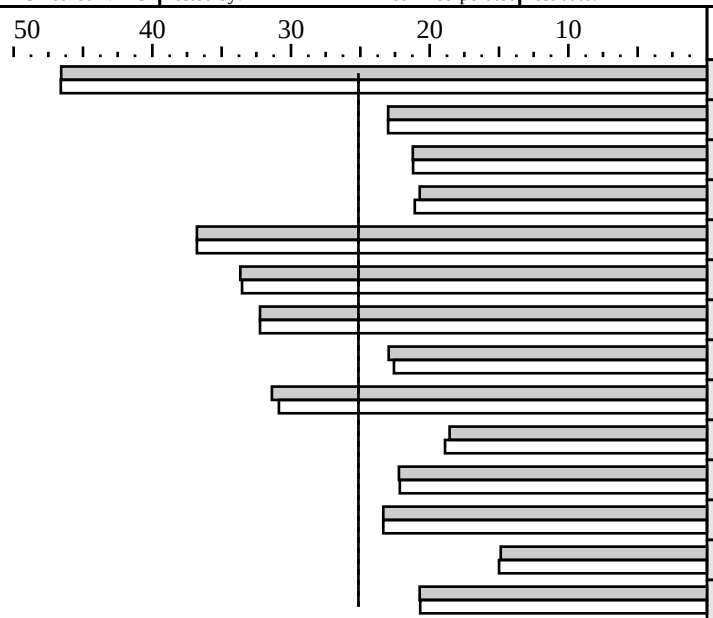
Acer Incorporated
Altos R510 (3.6 GHz Intel Xeon)

SPECfp_rate2000 = 25.1

SPECfp_rate_base2000 = 25.1

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	79.7	46.6	2	79.7	46.6
171.swim	2	313	23.0	2	313	23.0
172.mgrid	2	197	21.2	2	197	21.2
173.applu	2	235	20.7	2	231	21.1
177.mesa	2	88.3	36.8	2	88.3	36.8
178.galgel	2	200	33.7	2	201	33.5
179.art	2	187	32.2	2	187	32.2
183.equake	2	131	23.0	2	134	22.6
187.facerec	2	140	31.4	2	143	30.9
188.ammp	2	275	18.6	2	270	18.9
189.lucas	2	209	22.2	2	209	22.2
191.fma3d	2	209	23.3	2	209	23.3
200.sixtrack	2	172	14.9	2	170	15.0
301.apsi	2	291	20.7	2	292	20.7

Hardware

CPU:	Intel Xeon (3.6 GHz, 1MB 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:	1024KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	6x512MB DDR-333 ECC SDRAM
Disk Subsystem:	1 x 80GB 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)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO: PASS1=  -Qprof_gen  PASS2=-Qprof_use
Base tuning:  -fast -Qansi_alias +FDO
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:  -fast -Qscalar_rep- -Qauto  +FDO
177.mesa:   basepeak=yes
178.galgel:   -fast -Qansi_alias +FDO
179.art:      basepeak=yes
183.equake:   -QxP -Oa -Qrcd -Qipo +FDO
187.facerec:  -fast -Qunroll1 -Qscalar_rep- +FDO
188.ammp:     -Oa -QxP
189.lucas:    -fast -Qprefetch- +FDO
191.fma3d:    basepeak=yes
```

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Notes/Tuning Information (Continued)

```
200.sixtrack: -Qipo -QxP +FDO
301.apsi:     -fast +FDO
Enable hardware prefetching and adjacent cache line prefetch BIOS setting
Product description located as of Apr-2005:
http://www.acer.com
```