



CFP2000 Result

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Acer Incorporated
Altos R510 (3.6 GHz Intel Xeon)

SPECfp2000 = 1526
SPECfp_base2000 = 1522

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	66.8	2396	66.5	2407	
171.swim	3100	155	1997	155	2003	
172.mgrid	1800	127	1423	127	1420	
173.applu	2100	147	1430	147	1425	
177.mesa	1400	88.1	1589	88.1	1589	
178.galgel	2900	132	2200	131	2214	
179.art	2600	110	2360	110	2360	
183.quake	1300	73.6	1765	75.2	1728	
187.facerec	1900	114	1670	114	1664	
188.amp	2200	249	883	244	902	
189.lucas	2000	111	1803	107	1862	
191.fma3d	2100	151	1392	151	1392	
200.sixtrack	1100	171	642	170	647	
301.apsi	2600	244	1065	246	1057	

Hardware

CPU: Intel Xeon (3.6 GHz, 1MB L2, 800MHz system bus)
CPU MHz: 3600
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 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.quake: -QxP -Oa -Qrcd -Qipo +FDO
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO
188.amp: -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>