



CFP2000 Result

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Acer Incorporated
Altos R710 (3.6 GHz Intel Xeon)

SPECfp2000 = 1819
SPECfp_base2000 = 1800

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	62.3	2570	62.3	2569	
171.swim	3100	136	2283	136	2284	
172.mgrid	1800	118	1530	118	1529	
173.applu	2100	139	1507	139	1507	
177.mesa	1400	88.8	1577	88.8	1577	
178.galgel	2900	87.0	3332	87.0	3332	
179.art	2600	61.6	4219	61.6	4219	
183.quake	1300	55.6	2337	55.6	2337	
187.facerec	1900	102	1865	102	1865	
188.amp	2200	196	1124	171	1285	
189.lucas	2000	97.1	2061	97.1	2060	
191.fma3d	2100	142	1476	142	1476	
200.sixtrack	1100	170	649	168	656	
301.apsi	2600	201	1294	201	1294	

Hardware

CPU: Intel Xeon (3.6 GHz, 2MB 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: 2048KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 6 x 512MB ECC DDR2-400 SDRAM
Disk Subsystem: 1 x 36GB 10000RPM U320 SCSI 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.quake:Base for C Program: -fast +FDO shlw32M.lib
188.amp: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.quake: -fast -Oa -Qrcd -Qprof_gen shlw32M.lib
```



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Notes/Tuning Information (Continued)

187.facerec: basepeak=yes
188.amp: -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>