



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Acer Incorporated

Acer Altos R710 (Dual-Core Intel Xeon 2.8 GHz, 2x2MB L2, 800MHz system bus)

SPECfp_rate2000 = 39.7

SPECfp_rate_base2000 = 39.7

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	122	60.8	4	122	60.7
171.swim	4	584	24.6	4	584	24.6
172.mgrid	4	359	23.3	4	359	23.3
173.applu	4	416	23.4	4	416	23.4
177.mesa	4	115	56.6	4	115	56.6
178.galgel	4	131	103	4	131	103
179.art	4	133	90.5	4	133	90.5
183.quake	4	160	37.6	4	160	37.6
187.facerec	4	185	47.7	4	185	47.7
188.amp	4	260	39.3	4	256	39.9
189.lucas	4	378	24.6	4	378	24.5
191.fma3d	4	308	31.6	4	308	31.6
200.sixtrack	4	201	25.3	4	203	25.1
301.apsi	4	298	40.5	4	297	40.6

Hardware

CPU: Dual-Core Intel Xeon (2.8 GHz, 2x2MB L2, 800MHz system bus)
CPU MHz: 2800
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip(Hyper-Threading Technology Disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12KB(I) micro-ops + 16KB(D) on chip, per core
Secondary Cache: 2048KB(I+D) on chip, per core
L3 Cache: N/A
Other Cache: N/A
Memory: 6 x 1024MB ECC DDR2-400 SDRAM
Disk Subsystem: 1 x 146GB 10000RPM U320 SCSI HDD
Other Hardware:

Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790)
Compiler: Intel C++ 9.0 Build 20050430Z for IA32 and Fortran Compiler 9.0 Build 20050722Z 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
192.fma3d: Approved windowsdp src.alt used
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
187.facerec: basepeak=yes
188.amp: -Oa -QxP
```



CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Acer Incorporated

Acer Altos R710 (Dual-Core Intel Xeon 2.8 GHz, 2x2MB L2, 800MHz system bus)

SPECfp_rate2000 = 39.7

SPECfp_rate_base2000 = 39.7

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

Notes/Tuning Information (Continued)

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>