



CFP2000 Result

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Acer Incorporated

Acer Altos R910 (3.2 GHz Intel Xeon Processor 7130M)

SPECfp_rate2000 = 65.0

SPECfp_rate_base2000 = 64.7

SPEC license #: 97 Tested by: Acer Incorporated Test date: Sep-2006 Hardware Avail: Aug-2006 Software Avail: Mar-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	142	105	8	142	105
171.swim	8	552	52.1	8	552	52.1
172.mgrid	8	342	48.8	8	342	48.8
173.applu	8	381	51.1	8	381	51.1
177.mesa	8	210	61.9	8	210	61.9
178.galgel	8	188	143	8	189	142
179.art	8	173	139	8	173	139
183.quake	8	183	66.0	8	183	66.1
187.facerec	8	254	69.5	8	254	69.5
188.amp	8	375	54.5	8	352	58.0
189.lucas	8	366	50.6	8	366	50.6
191.fma3d	8	401	48.6	8	401	48.6
200.sixtrack	8	287	35.5	8	283	36.1
301.apsi	8	396	61.0	8	396	61.0

Hardware

CPU: Intel Xeon Processor 7130M (3.2 GHz, 8MB L3, 800MHz system bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip (Hyper-Threading Technology enabled)
CPU(s) orderable: 1,2,3,4
Parallel: No
Primary Cache: 12K(I) micro-ops + 16KB(D) on chip, per core
Secondary Cache: 1024KB(I+D) on chip, per core
L3 Cache: 8MB on chip, per chip
Other Cache: N/A
Memory: 16 x 1024MB ECC DDR2-400 SDRAM
Disk Subsystem: 1 x 73GB 10000RPM SAS HDD
Other Hardware:

Software

Operating System: Microsoft Windows Server 2003 Enterprise Edition (Build 3790), Service Pack 1
Compiler: Intel C++ 9.1 Build 20060323Z for IA32 and Fortran Compiler 9.1 Build 20060323Z for IA32
Microsoft Visual Studio .Net 2003 (7.1.5091, 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
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 +FDO shlw32M.lib
187.facerec: basepeak=yes
188.amp: -Oa -QxP
189.lucas: -fast -Qprefetch- +FDO
```



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Notes/Tuning Information (Continued)

191.fma3d: basepeak=yes
200.sixtrack: -Qipo -QxP +FDO
301.apsi: -fast +FDO