



# CFP2000 Result

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Acer Incorporated  
Altos G520 (3.0 GHz Intel Xeon)

SPECfp2000 = 1542

SPECfp\_base2000 = 1524

SPEC license #: 97 Tested by: Acer Incorporated Test date: Jun-2005 Hardware Avail: May-2005 Software Avail: Oct-2004

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	74.3	2154	74.4	2151	
171.swim	3100	152	2040	152	2040	
172.mgrid	1800	140	1283	140	1282	
173.applu	2100	163	1286	163	1286	
177.mesa	1400	107	1312	107	1312	
178.galgel	2900	104	2781	104	2780	
179.art	2600	72.8	3572	72.8	3572	
183.earthquake	1300	66.2	1964	66.2	1964	
187.facerec	1900	122	1558	122	1558	
188.ammp	2200	237	926	203	1082	
189.lucas	2000	110	1815	110	1815	
191.fma3d	2100	168	1248	168	1248	
200.sixtrack	1100	203	542	201	547	
301.apsi	2600	235	1108	235	1108	

### Hardware

CPU: Intel Xeon (3.0 GHz, 2MB L2, 800MHz system bus)  
 CPU MHz: 3000  
 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: 4 x 1024MB ECC DDR-333 SDRAM  
 Disk Subsystem: 1 x 120GB 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)  
 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.earthquake:Base for C Program: -fast +FDO shlw32M.lib
188.ammp: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.earthquake: -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>