



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

**Acer Incorporated**  
**Altos G520 (3.0 GHz Intel Xeon)**

**SPECfp2000 = 1401**  
**SPECfp\_base2000 = 1384**

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	73.8	2169	73.8	2169	
171.swim	3100	155	1996	155	1997	
172.mgrid	1800	145	1243	145	1243	
173.applu	2100	164	1278	164	1278	
177.mesa	1400	105	1331	105	1331	
178.galgel	2900	148	1963	148	1963	
179.art	2600	112	2314	112	2314	
183.earthquake	1300	69.7	1864	69.7	1865	
187.facerec	1900	126	1508	126	1508	
188.amp	2200	309	713	262	839	
189.lucas	2000	114	1753	114	1755	
191.fma3d	2100	172	1224	172	1224	
200.sixtrack	1100	205	538	203	542	
301.apsi	2600	264	987	263	987	

### Hardware

CPU: Intel Xeon (3.0 GHz, 1MB 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: 1024KB(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.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.earthquake: -fast -Oa -Qrcd -Qprof_gen shlw32M.lib
```



# CFP2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

Acer Incorporated  
Altos G520 (3.0 GHz Intel Xeon)

SPECfp2000 = 1401  
SPECfp\_base2000 = 1384

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

## 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>