



# CFP2000 Result

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Hewlett-Packard Company  
ProLiant DL140 G2 (3.8GHz, Intel Xeon)

SPECfp2000 = 1855  
SPECfp\_base2000 = 1828

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Aug-2005 Hardware Avail: Sep-2005 Software Avail: May-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	60.6	2640	60.2	2657	
171.swim	3100	135	2292	135	2292	
172.mgrid	1800	114	1578	114	1578	
173.applu	2100	138	1522	139	1516	
177.mesa	1400	84.6	1654	84.6	1656	
178.galgel	2900	79.5	3649	79.5	3646	
179.art	2600	64.3	4047	64.3	4047	
183.quake	1300	64.9	2004	53.4	2433	
187.facerec	1900	103	1853	103	1853	
188.amp	2200	177	1246	177	1246	
189.lucas	2000	99.4	2012	98.8	2025	
191.fma3d	2100	138	1523	138	1523	
200.sixtrack	1100	161	683	161	683	
301.apsi	2600	192	1353	192	1353	

### Hardware

CPU: Intel Xeon (3.8GHz, 2MB L2, 800MHz bus)  
CPU MHz: 3800  
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: 12K micro-ops I + 16KBD on chip  
Secondary Cache: 2048KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8x1024MB PC2-3200  
Disk Subsystem: 1x80.0GB SATA  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise SP1  
Compiler: Intel C++ Compiler for 32-bit applications, (Version 8.1 Build 20050524Z)  
Intel Fortran Compiler for 32-bit applications, (Version 8.1 Build 20050517Z)  
Microsoft Visual Studio .NET 7.0.9466 (for libraries)  
MicroQuill Smarheap Library 7.0  
File System: NTFS  
System State: Default

## Notes/Tuning Information

+FDO: PASS1=-Qprof\_gen PASS2=-Qprof\_use

Base tuning: -fast -Qansi\_alias +FDO

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

168.wupwise: -fast -Qansi\_alias +FDO

171.swim: -fast -f77rtl +FDO ONESTEP=yes

172.mgrid: -fast -Qansi\_alias +FDO

173.applu: -fast -Qscalar\_rep- -Qauto -f77rtl +FDO ONESTEP=yes

177.mesa: -fast +FDO ONESTEP=yes

178.galgel: -fast +FDO ONESTEP=yes

179.art: basepeak=1

183.quake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib

187.facerec: -fast -Qunroll1 -Qscalar\_rep- -fpp +FDO ONESTEP=yes

188.amp: basepeak=1

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## Notes/Tuning Information (Continued)

189.lucas: -fast  
191.fma3d: basepeak=1  
200.sixtrack: -fast +FDO  
301.apsi: basepeak=1  
BIOS Configuration Notes  
Hyper-Threading Technology disabled