



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL380 G5 (3.0GHz, Intel Xeon processor 5160)

SPECfp2000 = **2739**
SPECfp_base2000 = **2723**

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: May-2006 Hardware Avail: Jun-2006 Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	42.1	3800	42.1	3801	
171.swim	3100	112	2776	112	2776	
172.mgrid	1800	100	1797	100	1797	
173.applu	2100	100	2093	100	2093	
177.mesa	1400	49.2	2844	49.1	2853	
178.galgel	2900	40.4	7180	40.4	7180	
179.art	2600	24.7	10538	24.7	10538	
183.earthquake	1300	40.6	3204	40.6	3204	
187.facerec	1900	70.1	2710	70.2	2706	
188.amp	2200	108	2031	101	2188	
189.lucas	2000	98.0	2040	97.5	2052	
191.fma3d	2100	102	2069	102	2069	
200.sixtrack	1100	91.6	1200	91.6	1200	
301.apsi	2600	161	1613	161	1613	

Hardware

CPU: Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
 CPU MHz: 3000
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1,2 chips
 Parallel: No
 Primary Cache: 32KB (I) + 32KB (D) (on chip) per core
 Secondary Cache: 4096KB(I+D) (on chip) shared
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4x2048MB PC2-5300F
 Disk Subsystem: 1x36GB SAS
 Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise SP1
 Compiler: Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
 Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z)
 Microsoft Visual Studio .NET 7.0.9466 (for libraries)
 MicroQuill Smartheap Library 7.0
 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
Base tuning for C programs: -fast +FDO shlw32M.lib
Portability flags:
 178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -fast -Qansi_alias +FDO
171.swim: -fast +FDO ONESTEP=yes
172.mgrid: -fast -Qansi_alias +FDO
173.applu: basepeak=1
177.mesa: -fast +FDO ONESTEP=yes
178.galgel: basepeak=1
179.art: basepeak=1
183.earthquake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
188.amp: -fast -Qansi_alias +FDO
189.lucas: -fast
```



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Notes/Tuning Information (Continued)

191.fma3d: basepeak=1
200.sixtrack: -fast +FDO
301.apsi: basepeak=1