



CFP2000 Result

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Hewlett-Packard Company
ProLiant BL480c (3.0GHz, Intel Xeon processor 5160)

SPECfp2000 = **2756**
SPECfp_base2000 = **2739**

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	41.7	3841	41.7	3841
171.swim	3100	109	2836	109	2837
172.mgrid	1800	99.6	1808	99.5	1810
173.applu	2100	98.5	2131	98.5	2131
177.mesa	1400	49.5	2828	49.1	2852
178.galgel	2900	40.4	7174	40.4	7174
179.art	2600	24.7	10532	24.7	10532
183.quake	1300	39.9	3255	39.9	3258
187.facerec	1900	70.4	2700	70.5	2695
188.amp	2200	108	2041	100	2192
189.lucas	2000	95.0	2105	94.5	2116
191.fma3d	2100	102	2068	102	2068
200.sixtrack	1100	91.6	1201	91.6	1201
301.apsi	2600	163	1595	163	1595

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: 32KBI + 32KBD (on chip) per core
 Secondary Cache: 4096KB(I+D) (on chip) shared
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8x1024MB PC2-5300F
 Disk Subsystem: 2x36GB 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 Smarheap 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.quake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib

187.facerec: -fast -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes



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SPECfp2000 = 2756
SPECfp_base2000 = 2739

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

Notes/Tuning Information (Continued)

188. ammp: -fast -Qansi_alias +FDO
189. lucas: -fast
191. fma3d: basepeak=1
200. sixtrack: -fast +FDO
301. psi: basepeak=1
BIOS Configuration Notes
Power Regulator set to Static High