



CFP2000 Result

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

SPECfp_rate2000 = 47.0
SPECfp_rate_base2000 = 46.3

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

| Benchmark | Base Copies | Base Runtime | Base Ratio | Copies | Runtime | Ratio |
|--------------|-------------|--------------|------------|--------|---------|-------|
| 168.wupwise | 2 | 54.2 | 68.5 | 2 | 54.1 | 68.6 |
| 171.swim | 2 | 206 | 34.9 | 2 | 206 | 34.9 |
| 172.mgrid | 2 | 134 | 31.3 | 2 | 134 | 31.3 |
| 173.applu | 2 | 151 | 32.2 | 2 | 151 | 32.2 |
| 177.mesa | 2 | 50.0 | 65.0 | 2 | 49.7 | 65.4 |
| 178.galgel | 2 | 54.7 | 123 | 2 | 54.7 | 123 |
| 179.art | 2 | 51.4 | 117 | 2 | 51.4 | 117 |
| 183.quake | 2 | 63.8 | 47.3 | 2 | 64.0 | 47.2 |
| 187.facerec | 2 | 84.3 | 52.3 | 2 | 83.7 | 52.6 |
| 188.amp | 2 | 142 | 35.8 | 2 | 116 | 43.9 |
| 189.lucas | 2 | 142 | 32.6 | 2 | 141 | 32.8 |
| 191.fma3d | 2 | 141 | 34.5 | 2 | 141 | 34.5 |
| 200.sixtrack | 2 | 93.3 | 27.3 | 2 | 93.3 | 27.4 |
| 301.apsi | 2 | 179 | 33.7 | 2 | 179 | 33.7 |

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 10K 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.quake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib

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



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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