



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant BL30p (3.2GHz/2MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 15.7
SPECfp_rate_base2000 = 15.6

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Nov-2004 Hardware Avail: Jul-2004 Software Avail: Oct-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	96.8	19.2	1	97.9	19.0
171.swim	1	187	19.2	1	187	19.2
172.mgrid	1	145	14.4	1	145	14.4
173.applu	1	187	13.1	1	186	13.1
177.mesa	1	101	16.2	1	100	16.2
178.galgel	1	104	32.2	1	104	32.2
179.art	1	133	22.7	1	125	24.0
183.quake	1	104	14.6	1	103	14.7
187.facerec	1	124	17.7	1	124	17.8
188.amp	1	199	12.8	1	194	13.2
189.lucas	1	142	16.3	1	144	16.2
191.fma3d	1	185	13.2	1	185	13.2
200.sixtrack	1	178	7.16	1	176	7.27
301.apsi	1	240	12.6	1	240	12.6

Hardware

CPU: Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz: 3200
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip (HT Technology disabled)
CPU(s) orderable: 1,2
Parallel: No
Primary Cache: 12K micro-ops I + 8KBD on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: 2048KB(I+D) on chip
Other Cache: N/A
Memory: 4x512MB PC2100
Disk Subsystem: 2x60GB ATA
Other Hardware:

Software

Operating System: Windows Server 2003 Standard (Build 3790)
Compiler: Intel C++ Compiler 8.1 Build 20040802Z
Intel Fortran Compiler 8.1 build 20041019Z
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 all programs: -Qipo -QxN -O3 +FDO ONESTEP=yes
Portability flags:
 178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -Qipo -QxN +FDO ONESTEP=yes
171.swim: -Qipo -QxN -O3 +FDO ONESTEP=yes
172.mgrid: -Qipo -QaxN -O3 +FDO ONESTEP=yes
173.applu: -Qipo -QxN -O3 -Qscalar_rep- -Qauto +FDO ONESTEP=yes
177.mesa: -Qipo -QxN -O3 +FDO ONESTEP=yes
178.galgel: -Qipo -QxN -O3 +FDO ONESTEP=yes
179.art: -Qipo -Oa -Qunroll14 -Zp4 ONESTEP=yes
183.quake: -Qipo -QxN -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
187.facerec: -Qipo -QaxN -O3 -Qunroll11 -Qscalar_rep- +FDO ONESTEP=yes
188.amp: -QxN -Oa ONESTEP=yes
189.lucas: -Qipo -QaxN
191.fma3d: basepeak=1
```



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant BL30p (3.2GHz/2MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 15.7
SPECfp_rate_base2000 = 15.6

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2004 | Hardware Avail: Jul-2004 | Software Avail: Oct-2004

Notes/Tuning Information (Continued)

```
200.sixtrack:  -Qipo -QxN                +FDO ONESTEP=yes
301.apsi:      -Qipo -QxN  -O3           +FDO ONESTEP=yes
BIOS Configuration Notes
Hyper Threading disabled
```