



CFP2000 Result

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Hewlett-Packard Company
ProLiant BL20p G3 (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 18.5
SPECfp_rate_base2000 = 18.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	63.2	29.4	1	63.2	29.4
171.swim	1	144	24.9	1	144	25.0
172.mgrid	1	122	17.1	1	122	17.1
173.applu	1	142	17.1	1	143	17.1
177.mesa	1	87.9	18.5	1	88.1	18.4
178.galgel	1	123	27.3	1	123	27.3
179.art	1	101	30.0	1	99.6	30.3
183.equake	1	69.2	21.8	1	57.9	26.0
187.facerec	1	109	20.2	1	122	18.1
188.amp	1	234	10.9	1	234	10.9
189.lucas	1	104	22.2	1	109	21.3
191.fma3d	1	145	16.8	1	145	16.8
200.sixtrack	1	172	7.44	1	171	7.45
301.apsi	1	241	12.5	1	241	12.5

Hardware

CPU: Intel Xeon (3.6GHz, 1MB L2, 800MHz bus)
CPU MHz: 3600
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 + 16KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x2048MB PC3200 CL3.0
Disk Subsystem: 1x72.8GB 15K U320
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 20040802Z
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 Base tuning: -QxP -fast -Qansi_alias +FDO
Portability flags:
 178.galgel: -FI /F32000000
Peak tuning:
168.wupwise: -QxP -fast -Qansi_alias +FDO ONESTEP=yes
171.swim: -QxP -fast -f77rtl +FDO ONESTEP=yes
172.mgrid: -QxP -fast -Qansi_alias +FDO ONESTEP=yes
173.applu: -QxP -fast -Qscalar_rep- -Qauto -f77rtl +FDO ONESTEP=yes
177.mesa: -QxP -fast +FDO ONESTEP=yes
178.galgel: -QxP -fast +FDO ONESTEP=yes
179.art: -fast -Oa -Qunroll4 -Zp4 ONESTEP=yes
183.equake: -QxP -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
187.facerec: -QaxN -fast -Qunroll1 -Qscalar_rep- -fpp +FDO ONESTEP=yes
188.amp: basepeak=1
189.lucas: -QaxN -fast
191.fma3d: basepeak=1
```



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Notes/Tuning Information (Continued)

```
200.sixtrack: -QxP -fast +FDO
301.apsi: -QxP -fast -f77rtl +FDO ONESTEP=yes
BIOS Configuration Notes
HT Technology disabled
```