



CFP2000 Result

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Hewlett-Packard Company
ProLiant DL140 (3.2GHz/1MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 15.3
SPECfp_rate_base2000 = 15.0

SPEC license #: 3 Tested by: Hewlett-Packard Company Test date: Nov-2003 Hardware Avail: Nov-2003 Software Avail: Nov-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	144	25.8	2	145	25.7
171.swim	2	540	13.3	2	540	13.3
172.mgrid	2	337	12.4	2	337	12.4
173.applu	2	439	11.1	2	438	11.1
177.mesa	2	109	29.8	2	109	29.8
178.galgel	2	319	21.1	2	320	21.0
179.art	2	938	6.43	2	905	6.67
183.quake	2	239	12.6	2	183	16.5
187.facerec	2	210	20.9	2	209	21.1
188.amp	2	403	12.7	2	402	12.7
189.lucas	2	343	13.5	2	342	13.6
191.fma3d	2	327	14.9	2	327	14.9
200.sixtrack	2	189	13.5	2	186	13.7
301.apsi	2	361	16.7	2	363	16.6

Hardware

CPU: Intel Xeon (3.2GHz, 533MHz bus)
 CPU MHz: 3200
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip (Hyper-Threading 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: 1024KB(I+D) on chip
 Other Cache: N/A
 Memory: 4x512MB PC2100
 Disk Subsystem: 1x80GB ATA/100 7200 rpm
 Other Hardware:

Software

Operating System: Windows 2000 Server(Build 2195 SP3)
 Compiler: Intel C++ Compiler 7.1 Build 20030813Z
 Intel Fortran Compiler 7.1 build 20030813Z
 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: -QxW -Qipo -O3 +FDO ONESTEP=yes
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise: -Qipo -QxW +FDO ONESTEP=yes
  171.swim: -Qipo -QxW -O3 +FDO ONESTEP=yes
  172.mgrid: -Qipo -QaxW -O3 +FDO ONESTEP=yes
  173.applu: -Qipo -QxW -O3 -Qscalar_rep- -Qauto +FDO ONESTEP=yes
  177.mesa: -Qipo -QxW -O3 +FDO ONESTEP=yes
  178.galgel: -Qipo -QxW -O3 +FDO ONESTEP=yes
  179.art: -Qipo -Oa -Qunroll4 -Zp4 ONESTEP=yes
  183.quake: -Qipo -QxW -Oa -Qrcd +FDO shlw32M.lib ONESTEP=yes
  187.facerec: -Qipo -QaxW -O3 -Qunroll11 -Qscalar_rep- +FDO ONESTEP=yes
  188.amp: -QxW -Oa ONESTEP=yes
  189.lucas: -Qipo -QaxW
  191.fma3d: basepeak=1
```



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Notes/Tuning Information (Continued)

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