



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant ML350 G4 (3.4GHz, Intel Xeon)

SPECfp2000 = 1531
SPECfp_base2000 = 1503

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
168.wupwise	1600	67.3	2376	67.4	2375	[Bar chart showing ratio 2375]			
171.swim	3100	150	2069	150	2068	[Bar chart showing ratio 2068]			
172.mgrid	1800	130	1380	130	1380	[Bar chart showing ratio 1380]			
173.applu	2100	151	1389	152	1385	[Bar chart showing ratio 1385]			
177.mesa	1400	92.5	1513	92.5	1513	[Bar chart showing ratio 1513]			
178.galgel	2900	135	2142	135	2143	[Bar chart showing ratio 2143]			
179.art	2600	110	2361	108	2411	[Bar chart showing ratio 2411]			
183.earthquake	1300	79.3	1639	62.9	2067	[Bar chart showing ratio 2067]			
187.facerec	1900	114	1660	114	1660	[Bar chart showing ratio 1660]			
188.amp	2200	244	900	244	900	[Bar chart showing ratio 900]			
189.lucas	2000	106	1886	105	1908	[Bar chart showing ratio 1908]			
191.fma3d	2100	156	1349	156	1349	[Bar chart showing ratio 1349]			
200.sixtrack	1100	181	607	181	607	[Bar chart showing ratio 607]			
301.apsi	2600	236	1099	237	1099	[Bar chart showing ratio 1099]			

Hardware

CPU: Intel Xeon (3.4GHz, 1MB L2, 800MHz bus)
 CPU MHz: 3400
 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 PC2700 CL2.5
 Disk Subsystem: 1x72.8GB 10K 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: -fast -Qansi_alias +FDO

Portability flags:

178.galgel: -FI /F32000000

Peak tuning:

168.wupwise: -fast -Qansi_alias +FDO
 171.swim: -fast -f77rtl +FDO ONESTEP=yes
 172.mgrid: -fast -Qansi_alias +FDO
 173.applu: -fast -Qscalar_rep- -Qauto -f77rtl +FDO ONESTEP=yes
 177.mesa: -fast +FDO ONESTEP=yes
 178.galgel: -fast +FDO ONESTEP=yes
 179.art: -fast -Oa -Qunroll4 -Zp4 ONESTEP=yes
 183.earthquake: -fast -Oa -Qrcd +FDO ONESTEP=yes shlw32M.lib
 187.facerec: basepeak=1
 188.amp: basepeak=1
 189.lucas: -fast



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant ML350 G4 (3.4GHz, Intel Xeon)

SPECfp2000 = 1531
SPECfp_base2000 = 1503

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

Notes/Tuning Information (Continued)

```
191.fma3d:      basepeak=1
200.sixtrack:   -fast                +FDO
301.apsi:       -fast                -f77rtl +FDO ONESTEP=yes
BIOS Configuration Notes
HT Technology disabled
```