



CFP2000 Result

Copyright ©1999-2004, Standard Performance Evaluation Corporation

Hewlett-Packard Company
ProLiant DL580 G2 (3.0GHz, Intel Xeon MP)

SPECfp_rate2000 = 30.7
SPECfp_rate_base2000 = 30.1

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	208	35.7	4	207	35.9
171.swim	4	1063	13.5	4	1063	13.5
172.mgrid	4	602	13.9	4	601	13.9
173.applu	4	867	11.2	4	868	11.2
177.mesa	4	111	58.7	4	111	58.7
178.galgel	4	106	126	4	107	126
179.art	4	87.7	138	4	88.0	137
183.quake	4	369	16.3	4	271	22.3
187.facerec	4	261	33.8	4	260	33.9
188.amp	4	170	60.0	4	178	57.4
189.lucas	4	701	13.2	4	698	13.3
191.fma3d	4	537	18.1	4	537	18.1
200.sixtrack	4	189	27.0	4	190	26.9
301.apsi	4	397	30.4	4	397	30.4

Hardware

CPU: Intel Xeon MP (3.0GHz, 400MHz bus)
CPU MHz: 3000
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip (Hyper Threading Disabled)
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 12K micro-ops I + 8KBD on chip
Secondary Cache: 512KB(I+D) on chip
L3 Cache: 4096KB(I+D) on chip
Other Cache: N/A
Memory: 16x512MB PC1600
Disk Subsystem: 2x18.2GB 15K Ultra320 SCSI
Other Hardware:

Software

Operating System: Windows 2000 Advanced Server (Build 2195 SP3)
Compiler: Intel C++ Compiler 8.0 Build 20031211Z
Intel Fortran Compiler 8.0 build 20040125Z
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: -QxN -Qipo -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 -Qunroll4 -Zp4 ONESTEP=yes
183.quake: -Qipo -QxN -Oa -Qrcd +FDO shlw32M.lib ONESTEP=yes
187.facerec: -Qipo -QaxN -O3 -Qunroll1 -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 DL580 G2 (3.0GHz, Intel Xeon MP)

SPECfp_rate2000 = 30.7
SPECfp_rate_base2000 = 30.1

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