CFP2000 Result

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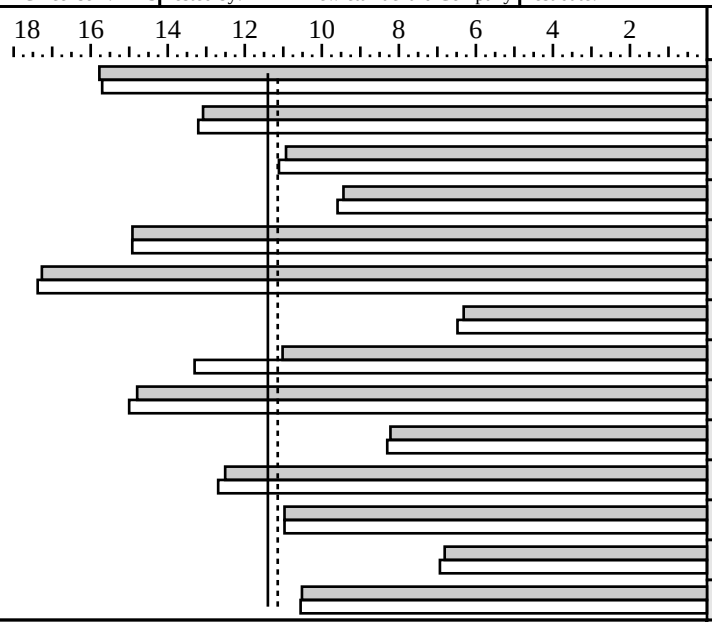
Hewlett-Packard Company

ProLiant DL140 (3.2GHz/1MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 11.4

SPECfp_rate_base2000 = 11.1

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	1	118	15.8	1	118	15.7
171.swim	1	275	13.1	1	272	13.2
172.mgrid	1	191	10.9	1	188	11.1
173.applu	1	258	9.44	1	254	9.59
177.mesa	1	109	14.9	1	109	14.9
178.galgel	1	195	17.3	1	194	17.4
179.art	1	477	6.32	1	466	6.48
183.equake	1	137	11.0	1	113	13.3
187.facerec	1	149	14.8	1	147	15.0
188.ammp	1	311	8.22	1	307	8.30
189.lucas	1	185	12.5	1	183	12.7
191.fma3d	1	222	11.0	1	222	11.0
200.sixtrack	1	187	6.81	1	184	6.93
301.apsi	1	287	10.5	1	286	10.6

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 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.equake:     -Qipo -QxW  -Oa -Qrcd +FDO shlw32M.lib ONESTEP=yes
  187.facerec:    -Qipo -QaxW  -O3 -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
  188.ammp:       -QxW  -Oa ONESTEP=yes
  189.lucas:      -Qipo -QaxW
  191.fma3d:      basepeak=1
```

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Notes/Tuning Information (Continued)

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