CFP2000 Result

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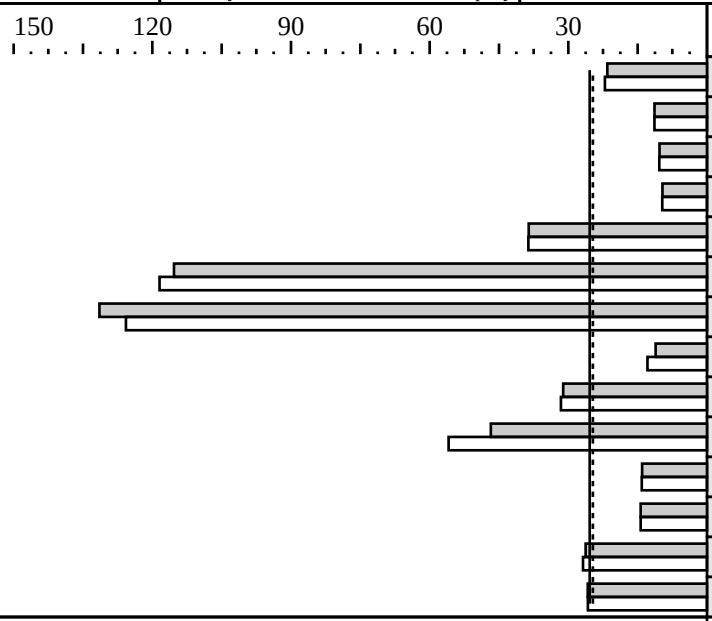
Hewlett-Packard Company
ProLiant DL740 (3.0GHz, Intel Xeon MP)

SPECfp_rate2000 = 25.4

SPECfp_rate_base2000 = 24.7

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Mar-2004 | Hardware Avail: Feb-2004 | Software Avail: Sep-2003



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	344	21.6	4	336	22.1
171.swim	4	1267	11.4	4	1265	11.4
172.mgrid	4	813	10.3	4	809	10.3
173.applu	4	1011	9.64	4	1007	9.68
177.mesa	4	168	38.6	4	168	38.6
178.galgel	4	117	115	4	114	118
179.art	4	91.8	131	4	96.0	126
183.equake	4	543	11.1	4	468	12.9
187.facerec	4	283	31.1	4	279	31.6
188.ammp	4	218	46.8	4	183	55.9
189.lucas	4	661	14.0	4	658	14.1
191.fma3d	4	679	14.3	4	679	14.3
200.sixtrack	4	194	26.3	4	190	26.8
301.apsi	4	468	25.8	4	468	25.8

Hardware

CPU:	Intel Xeon MP (3.0GHz, 100MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip
CPU(s) orderable:	1,2,4,8
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:	8x1024MB 133MHz SDRAM
Disk Subsystem:	1x18.2GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise (Build 3790)
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 FORTRAN 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  -Oi- ONESTEP=yes
  178.galgel:     -Qipo -QxW  -O3 +FDO ONESTEP=yes
  179.art:        -QxW -Qipo -Oi- -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
```