CFP2000 Result

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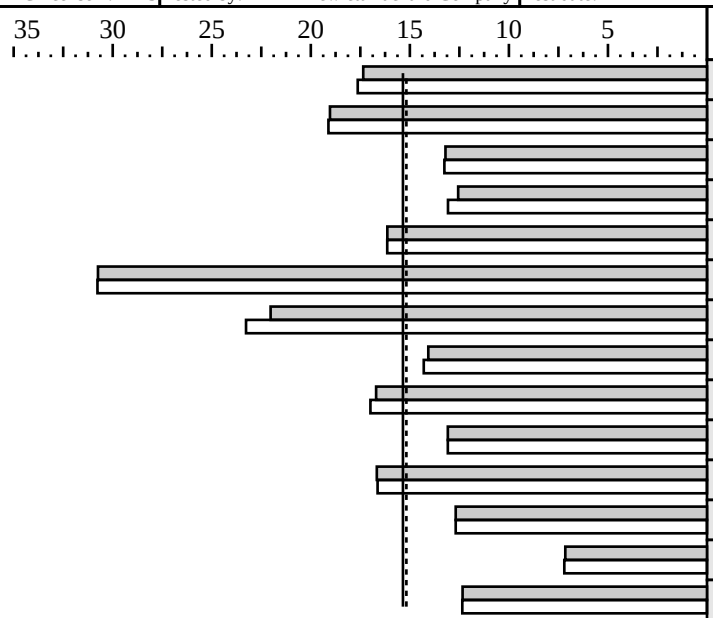
Hewlett-Packard Company

ProLiant ML370 G3 (3.2GHz/2MB L3 cache, Intel Xeon)

SPECfp_rate2000 = 15.3

SPECfp_rate_base2000 = 15.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	107	17.4	1	105	17.6
171.swim	1	189	19.0	1	188	19.1
172.mgrid	1	158	13.2	1	158	13.3
173.applu	1	194	12.6	1	186	13.1
177.mesa	1	101	16.1	1	101	16.1
178.galgel	1	109	30.7	1	109	30.8
179.art	1	137	22.0	1	130	23.3
183.equake	1	107	14.1	1	105	14.3
187.facerec	1	132	16.7	1	130	17.0
188.ammp	1	195	13.1	1	195	13.1
189.lucas	1	139	16.7	1	140	16.6
191.fma3d	1	192	12.7	1	192	12.7
200.sixtrack	1	178	7.15	1	177	7.20
301.apsi	1	244	12.3	1	244	12.4

Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
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 + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	2048KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
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.equake:     -Qipo -QxN  -Oa -Qrcd +FDO shlw32M.lib ONESTEP=yes
  187.facerec:    -Qipo -QaxN  -O3 -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
  188.ammp:       basepeak=1
  189.lucas:      -Qipo -QaxN
  191.fma3d:      basepeak=1
```

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Notes/Tuning Information (Continued)

```
    200.sixtrack:   -Qipo -QxN  +FDO ONESTEP=yes
    301.apsi:       -Qipo -QxN  -O3 +FDO ONESTEP=yes
  BIOS Configuration Notes
    HT Technology disabled
```