CFP2000 Result

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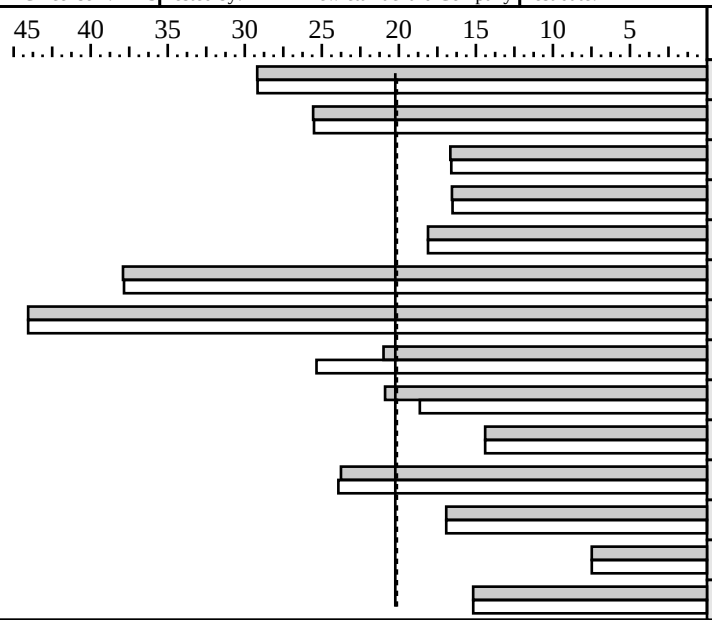
Hewlett-Packard Company

ProLiant ML370 G4 (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 20.2

SPECfp_rate_base2000 = 20.1

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Feb-2005 | Hardware Avail: Feb-2005 | Software Avail: Feb-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	63.6	29.2	1	63.6	29.2
171.swim	1	141	25.6	1	141	25.5
172.mgrid	1	125	16.7	1	126	16.6
173.applu	1	147	16.6	1	148	16.5
177.mesa	1	89.7	18.1	1	89.7	18.1
178.galgel	1	88.8	37.9	1	88.9	37.8
179.art	1	68.5	44.1	1	68.5	44.1
183.equake	1	71.8	21.0	1	59.5	25.3
187.facerec	1	105	20.9	1	118	18.6
188.ammp	1	177	14.4	1	177	14.4
189.lucas	1	97.7	23.8	1	97.0	23.9
191.fma3d	1	144	16.9	1	144	16.9
200.sixtrack	1	171	7.48	1	171	7.48
301.apsi	1	199	15.2	1	199	15.2

Hardware

CPU:	Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	2048KB(I+D) on chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8x512MB DDR2-400
Disk Subsystem:	1x18.2GB 15K Ultra320 SCSI
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:       -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:        basepeak=1
  183.equake:          -fast -Oa -Qrcd                   +FDO ONESTEP=yes shlw32M.lib
  187.facerec:          -fast -Qunroll1 -Qscalar_rep- -fpp +FDO ONESTEP=yes
  188.ammp:       basepeak=1
```

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Notes/Tuning Information (Continued)

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