CFP2000 Result

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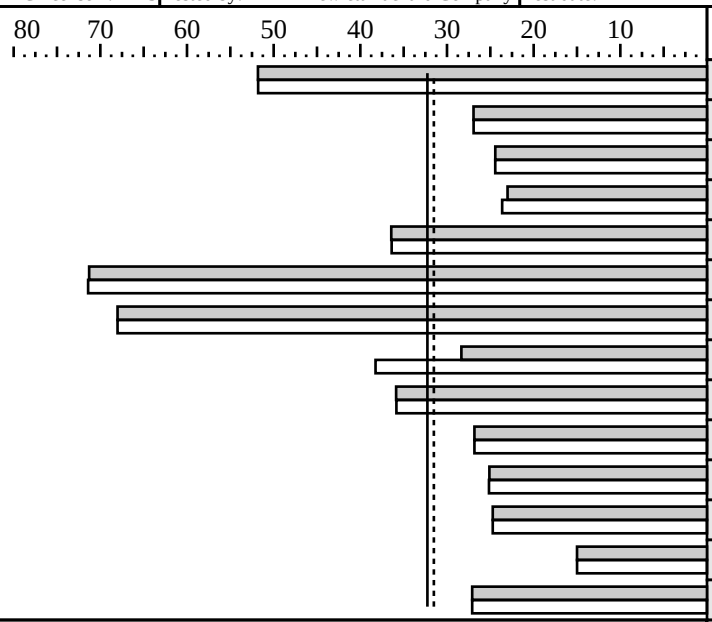
Hewlett-Packard Company

ProLiant ML350 G4p (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 32.3

SPECfp_rate_base2000 = 31.5

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	71.6	51.8	2	71.7	51.8
171.swim	2	267	26.9	2	267	26.9
172.mgrid	2	171	24.4	2	171	24.4
173.applu	2	212	23.0	2	206	23.6
177.mesa	2	89.2	36.4	2	89.3	36.4
178.galgel	2	94.4	71.3	2	94.2	71.4
179.art	2	88.7	68.0	2	88.7	68.0
183.equake	2	106	28.3	2	78.9	38.2
187.facerec	2	123	35.9	2	123	35.8
188.ammp	2	190	26.8	2	190	26.8
189.lucas	2	185	25.1	2	184	25.2
191.fma3d	2	197	24.7	2	197	24.7
200.sixtrack	2	170	15.0	2	170	15.0
301.apsi	2	223	27.1	2	223	27.1

Hardware

CPU:	Intel Xeon (3.6GHz, 2MB L2, 800MHz bus)
CPU MHz:	3600
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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:	4x2048MB PC2-3200
Disk Subsystem:	1x80.0GB 7.2k Serial ATA
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise Edition SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 8.1 Build 20050524Z) Intel Fortran Compiler for 32-bit applications, (Version 8.1 Build 20050517Z) 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:        basepeak=1
  BIOS Configuration Notes
    Hyper-Threading Technology disabled
```