CFP2000 Result

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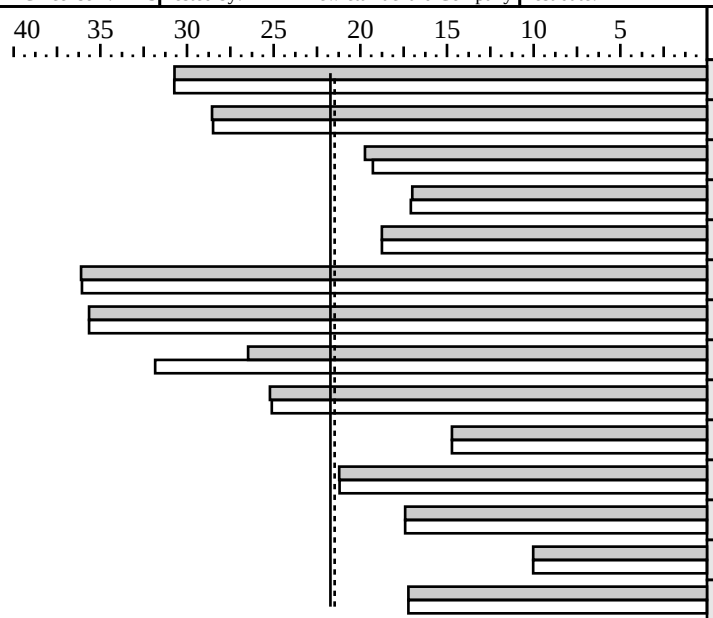
Hewlett-Packard Company

ProLiant ML350 G4p (3.6GHz, Intel Xeon)

SPECfp_rate2000 = 21.7

SPECfp_rate_base2000 = 21.5

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	121	30.7	2	121	30.7
171.swim	2	252	28.6	2	252	28.5
172.mgrid	2	212	19.7	2	217	19.3
173.applu	2	287	17.0	2	285	17.1
177.mesa	2	173	18.8	2	173	18.8
178.galgel	2	186	36.1	2	187	36.1
179.art	2	169	35.6	2	169	35.6
183.equake	2	114	26.5	2	94.7	31.8
187.facerec	2	175	25.2	2	176	25.1
188.ammp	2	347	14.7	2	347	14.7
189.lucas	2	219	21.2	2	219	21.2
191.fma3d	2	280	17.4	2	280	17.4
200.sixtrack	2	255	10.0	2	254	10.0
301.apsi	2	350	17.2	2	350	17.2

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 enabled)
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 enabled
```