CFP2000 Result

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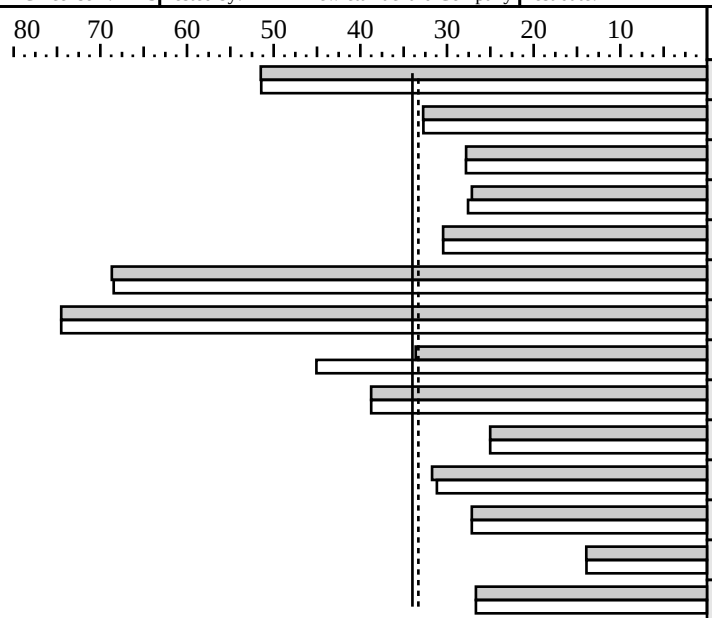
Hewlett-Packard Company

ProLiant ML310 G3 (3.0GHz, Intel Pentium D Processor 930)

SPECfp_rate2000 = 34.0

SPECfp_rate_base2000 = 33.3

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Feb-2006 | Hardware Avail: Feb-2006 | Software Avail: Oct-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	72.1	51.5	2	72.2	51.4
171.swim	2	220	32.8	2	220	32.7
172.mgrid	2	150	27.8	2	150	27.8
173.applu	2	180	27.1	2	177	27.6
177.mesa	2	107	30.4	2	107	30.4
178.galgel	2	98.0	68.7	2	98.3	68.5
179.art	2	81.0	74.5	2	81.0	74.5
183.equake	2	89.7	33.6	2	66.9	45.1
187.facerec	2	114	38.8	2	114	38.7
188.ammp	2	204	25.0	2	204	25.0
189.lucas	2	146	31.7	2	149	31.2
191.fma3d	2	180	27.1	2	180	27.1
200.sixtrack	2	183	13.9	2	184	13.9
301.apsi	2	226	26.7	2	226	26.7

Hardware

CPU:	Intel Pentium D Processor 930 (3.0GHz, 2x2MB L2, 800MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD (on chip) per core
Secondary Cache:	2048KB(I+D) (on chip) per core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x1024MB PC2-4200
Disk Subsystem:	1x36.4GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.0 Build 20051020Z) Intel Fortran Compiler for 32-bit applications, (Version 9.0 Build 20051020Z) 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-       +FDO ONESTEP=yes
  188.ammp:     basepeak=1
  189.lucas:    -fast
```

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Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak=1
200.sixtrack: -fast                                  +FDO
301.apsi:             basepeak=1
```