CFP2000 Result

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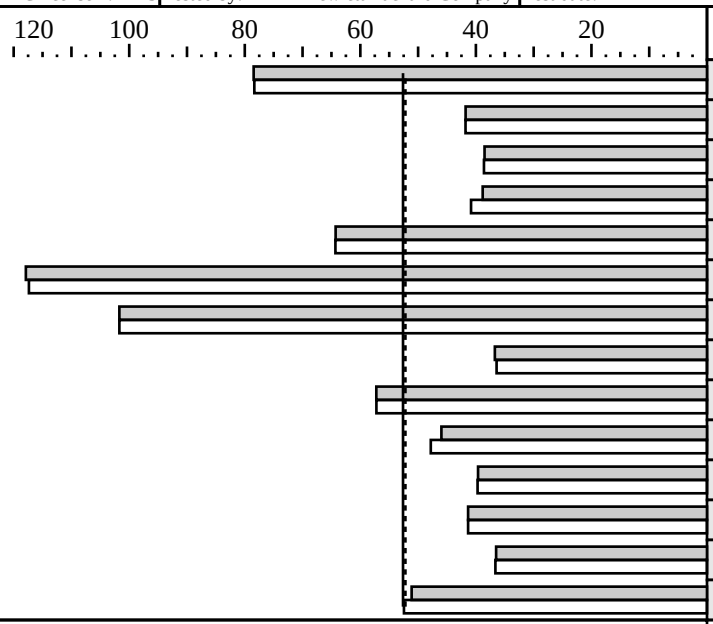
Hewlett-Packard Company

ProLiant ML570 G3 (3.333GHz, Intel Xeon)

SPECfp_rate2000 = 52.6

SPECfp_rate_base2000 = 52.2

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



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	8	189	78.5	8	190	78.3
171.swim	8	689	41.8	8	688	41.8
172.mgrid	8	434	38.5	8	433	38.6
173.applu	8	502	38.8	8	477	40.8
177.mesa	8	202	64.3	8	202	64.3
178.galgel	8	228	118	8	229	117
179.art	8	237	102	8	237	102
183.equake	8	329	36.7	8	331	36.4
187.facerec	8	308	57.2	8	308	57.2
188.ammp	8	444	46.0	8	427	47.8
189.lucas	8	468	39.6	8	467	39.7
191.fma3d	8	471	41.3	8	471	41.3
200.sixtrack	8	280	36.5	8	279	36.6
301.apsi	8	472	51.1	8	460	52.4

Hardware

CPU:	Intel Xeon MP (3.333GHz, 1MB L2, 8MB L3, 667MHz bus)
CPU MHz:	3333
FPU:	Integrated
CPU(s) enabled:	4 cores, 4 chips, 1 core/chip (Hyper-Threading Technology enabled)
CPU(s) orderable:	1,2,4
Parallel:	No
Primary Cache:	12K micro-ops I + 16KBD on chip
Secondary Cache:	1024KB(I+D) on chip
L3 Cache:	8192KB
Other Cache:	N/A
Memory:	16x2048MB DDR2-400
Disk Subsystem:	1x18.2GB 15K Ultra320 SCSI
Other Hardware:	

Software

Operating System:	Windows Server 2003 Standard (Build 3790)
Compiler:	Intel C++ and Fortran Compiler 8.1 Build 20040802Z Microsoft Visual Studio .NET 7.0.9466 (for libraries)
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
+FDO : PASS1=  -Qprof_gen  PASS2=-Qprof_use
+FDO*: FDO (-QxP not used in PASS1 to enable cross-compilation)
Base tuning:  -fast -Qansi_alias +FDO
Portability:
178.galgel:   -FI /F32000000
Peak tuning:
168.wupwise:  -fast -Qansi_alias                  +FDO
171.swim:     -fast -Qansi_alias          -f77rtl +FDO  ONESTEP=yes
172.mgrid:    -fast -Qansi_alias                  +FDO
173.applu:    -fast -Qscalar_rep- -Qauto -f77rtl +FDO  ONESTEP=yes
177.mesa:     -fast -Qansi_alias                  +FDO  ONESTEP=yes
178.galgel:   -fast -Qansi_alias                  +FDO
179.art:      basepeak=yes
183.equake:   -QxP -Oa -Qrcd -Qipo                +FDO* ONESTEP=YES shlw32m.lib
187.facerec:  -fast -Qunroll1 -Qscalar_rep-       +FDO
188.ammp:     -Oa -QxP
189.lucas:    -fast -Qprefetch-                   +FDO
```

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Notes/Tuning Information (Continued)

```
191.fma3d:    basepeak=yes
200.sixtrack: -Qipo -QxP                          +FDO*
301.apsi:     -fast                        -f77rtl +FDO  ONESTEP=yes
```