CFP2000 Result

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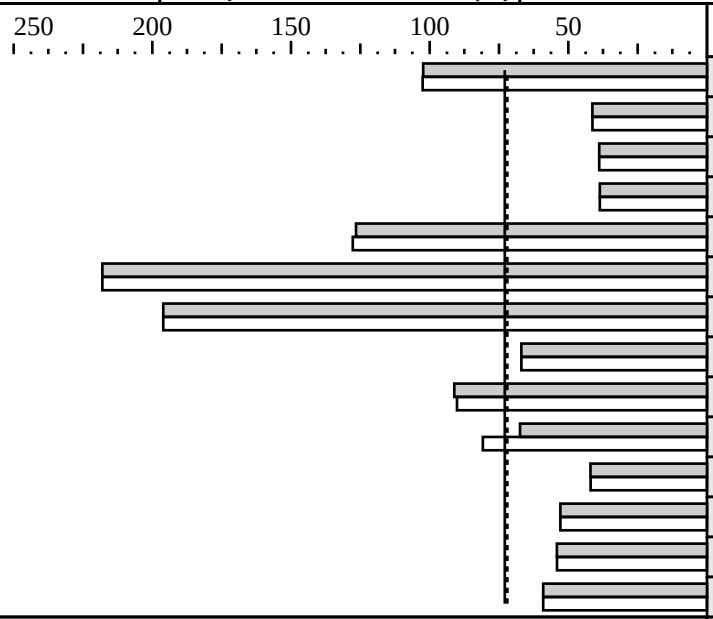
Hewlett-Packard Company

ProLiant ML350 G5 (3.0GHz, Intel Xeon processor 5160)

SPECfp_rate2000 = 72.9

SPECfp_rate_base2000 = 72.0

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Jun-2006 | Hardware Avail: Jun-2006 | Software Avail: May-2006



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	72.5	102	4	72.4	103
171.swim	4	348	41.3	4	348	41.3
172.mgrid	4	215	38.9	4	215	38.9
173.applu	4	252	38.6	4	252	38.6
177.mesa	4	51.3	127	4	50.9	128
178.galgel	4	61.7	218	4	61.7	218
179.art	4	61.5	196	4	61.5	196
183.equake	4	90.1	66.9	4	90.1	66.9
187.facerec	4	96.8	91.1	4	97.8	90.1
188.ammp	4	151	67.4	4	126	80.8
189.lucas	4	221	42.0	4	221	42.0
191.fma3d	4	184	52.9	4	184	52.9
200.sixtrack	4	94.3	54.1	4	94.4	54.1
301.apsi	4	204	59.1	4	204	59.1

Hardware

CPU:	Intel Xeon processor 5160 (3.0GHz, 4MB L2 shared, 1333MHz bus)
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	4 cores, 2 chips, 2 cores/chip
CPU(s) orderable:	1,2 chips
Parallel:	No
Primary Cache:	32KBI + 32KBD (on chip) per core
Secondary Cache:	4096KB(I+D) (on chip) shared
L3 Cache:	N/A
Other Cache:	N/A
Memory:	4x2048MB PC2-5300F
Disk Subsystem:	1x146GB 15K SAS
Other Hardware:	

Software

Operating System:	Windows Server 2003 Enterprise SP1
Compiler:	Intel C++ Compiler for 32-bit applications, (Version 9.1 Build 20060323Z) Intel Fortran Compiler for 32-bit applications, (Version 9.1 Build 20060323Z) 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 for Fortran programs: -fast -Qansi_alias +FDO
Base tuning for C programs:       -fast              +FDO shlw32M.lib
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:  -fast -Qansi_alias                 +FDO
  171.swim:     -fast                              +FDO ONESTEP=yes
  172.mgrid:    -fast -Qansi_alias                 +FDO
  173.applu:    basepeak=1
  177.mesa:     -fast                              +FDO ONESTEP=yes
  178.galgel:   basepeak=1
  179.art:      basepeak=1
  183.equake:   -fast -Oa -Qrcd                    +FDO ONESTEP=yes shlw32M.lib
  187.facerec:  -fast -Qunroll1 -Qscalar_rep-       +FDO ONESTEP=yes
```

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Notes/Tuning Information (Continued)

```
    188.ammp:     -fast -Qansi_alias                  +FDO
    189.lucas:    -fast
    191.fma3d:    basepeak=1
    200.sixtrack: -fast                               +FDO
    301.apsi:     basepeak=1
  BIOS Configuration Notes
    Power Regulator set to Static High Performance Mode
```