CFP2000 Result

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Hewlett-Packard Company

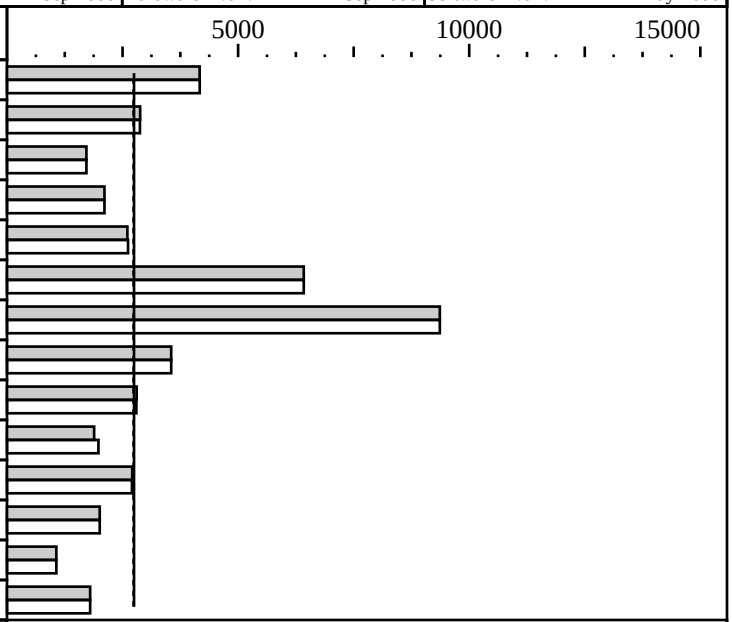
ProLiant DL320 G5 (2.66 GHz, Intel Xeon processor 3070)

SPECfp2000 = 2748

SPECfp_base2000 = 2739

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	38.4	4168	38.4	4169
171.swim	3100	108	2880	108	2876
172.mgrid	1800	105	1718	105	1718
173.applu	2100	99.6	2108	99.6	2108
177.mesa	1400	53.8	2605	53.5	2619
178.galgel	2900	45.2	6420	45.2	6420
179.art	2600	27.8	9364	27.8	9364
183.equake	1300	36.6	3552	36.6	3552
187.facerec	1900	67.7	2805	67.9	2799
188.ammp	2200	117	1885	111	1979
189.lucas	2000	73.8	2709	74.0	2703
191.fma3d	2100	105	2006	105	2006
200.sixtrack	1100	103	1068	103	1068
301.apsi	2600	145	1799	145	1799



Hardware

CPU:	Intel Xeon processor 3070 (2.66 GHz, 4 MB L2 shared, 1066 MHz bus)
CPU MHz:	2660
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip
CPU(s) orderable:	1
Parallel:	No
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	4 MB I+D on chip per chip
L3 Cache:	N/A
Other Cache:	N/A
Memory:	8 GB (4x2 GB PC2-5300E)
Disk Subsystem:	1x250 GB SATA
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
```