CFP2000 Result

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Hewlett-Packard Company

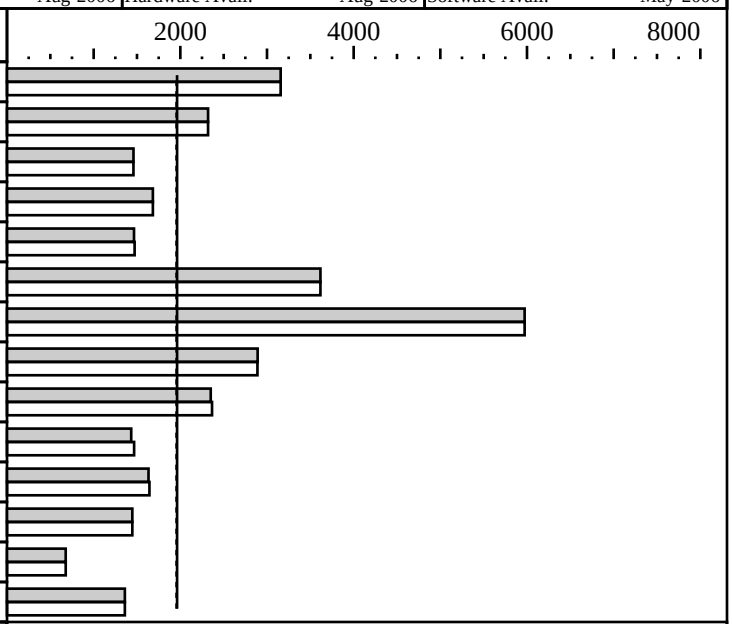
ProLiant ML570 G4 (3.4GHz, Intel Xeon processor 7140M)

SPECfp2000 = 1962

SPECfp_base2000 = 1957

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	50.7	3158	50.7	3158
171.swim	3100	134	2320	134	2320
172.mgrid	1800	123	1460	123	1459
173.applu	2100	125	1683	125	1683
177.mesa	1400	95.5	1465	95.1	1472
178.galgel	2900	80.2	3617	80.2	3617
179.art	2600	43.5	5973	43.5	5973
183.equake	1300	45.0	2892	45.0	2890
187.facerec	1900	80.8	2351	80.3	2366
188.ammp	2200	154	1433	150	1467
189.lucas	2000	122	1633	122	1644
191.fma3d	2100	145	1446	145	1446
200.sixtrack	1100	162	677	162	678
301.apsi	2600	191	1360	191	1360



Hardware

CPU:	Intel Xeon processor 7140M (800MHz system bus)
CPU MHz:	3400
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip (Hyper-Threading Technology disabled)
CPU(s) orderable:	1,2,4 chips
Parallel:	No
Primary Cache:	12 K I micro-ops + 16 KB D on chip per core
Secondary Cache:	1 MB I+D on chip per core
L3 Cache:	16 MB on chip per chip
Other Cache:	N/A
Memory:	32 GB (16x2048MB PC2-3200 dual-rank)
Disk Subsystem:	1x36 GB 10 K 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
  188.ammp:     -fast -Qansi_alias                  +FDO
```

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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 disabled
```