CFP2000 Result

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Hewlett-Packard Company

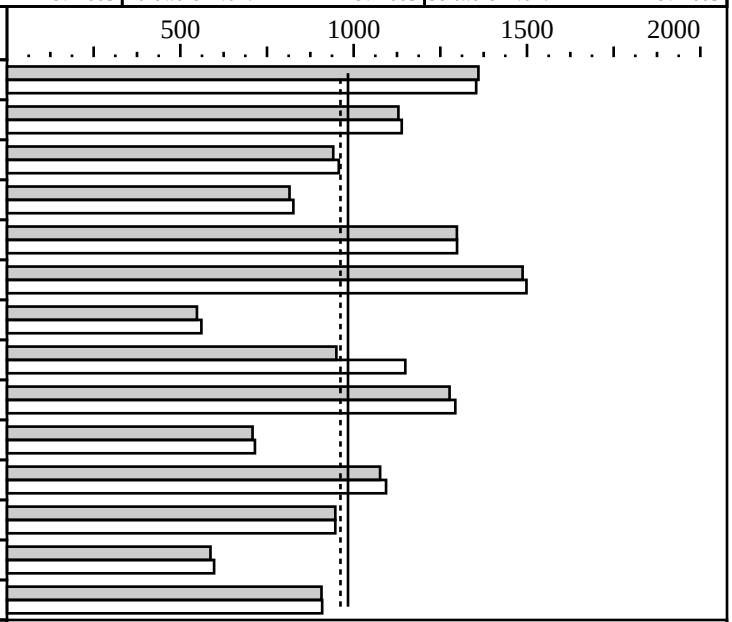
ProLiant DL140 (3.2GHz/1MB L3 cache, Intel Xeon)

SPECfp2000 = 984

SPECfp_base2000 = 962

SPEC license #: 3 | Tested by: Hewlett-Packard Company | Test date: Nov-2003 | Hardware Avail: Nov-2003 | Software Avail: Nov-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	118	1360	118	1353
171.swim	3100	275	1129	272	1139
172.mgrid	1800	191	941	188	957
173.applu	2100	258	815	254	826
177.mesa	1400	108	1298	108	1298
178.galgel	2900	195	1487	194	1498
179.art	2600	475	548	464	561
183.equake	1300	137	950	113	1149
187.facerec	1900	149	1277	147	1293
188.ammp	2200	311	708	308	715
189.lucas	2000	186	1076	183	1093
191.fma3d	2100	222	947	222	947
200.sixtrack	1100	187	587	184	597
301.apsi	2600	287	907	286	909



Hardware

CPU:	Intel Xeon (3.2GHz, 533MHz bus)
CPU MHz:	3200
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip (Hyper-Threading disabled)
CPU(s) orderable:	1,2
Parallel:	No
Primary Cache:	12K micro-ops I + 8KBD on chip
Secondary Cache:	512KB(I+D) on chip
L3 Cache:	1024KB(I+D) on chip
Other Cache:	N/A
Memory:	4x512MB PC2100
Disk Subsystem:	1x80GB ATA/100 7200 rpm
Other Hardware:	

Software

Operating System:	Windows 2000 Server(Build 2195 SP3)
Compiler:	Intel C++ Compiler 7.1 Build 20030813Z Intel Fortran Compiler 7.1 build 20030813Z 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 all programs: -QxW -Qipo -O3 +FDO ONESTEP=yes
Portability flags:
  178.galgel: -FI /F32000000
Peak tuning:
  168.wupwise:    -Qipo -QxW  +FDO ONESTEP=yes
  171.swim:       -Qipo -QxW  -O3 +FDO ONESTEP=yes
  172.mgrid:      -Qipo -QaxW -O3 +FDO ONESTEP=yes
  173.applu:      -Qipo -QxW  -O3 -Qscalar_rep- -Qauto +FDO ONESTEP=yes
  177.mesa:       -Qipo -QxW  -O3 +FDO ONESTEP=yes
  178.galgel:     -Qipo -QxW  -O3 +FDO ONESTEP=yes
  179.art:        -Qipo -Oa -Qunroll4 -Zp4 ONESTEP=yes
  183.equake:     -Qipo -QxW  -Oa -Qrcd +FDO shlw32M.lib ONESTEP=yes
  187.facerec:    -Qipo -QaxW  -O3 -Qunroll1 -Qscalar_rep- +FDO ONESTEP=yes
  188.ammp:       -QxW  -Oa ONESTEP=yes
  189.lucas:      -Qipo -QaxW
  191.fma3d:      basepeak=1
```

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Notes/Tuning Information (Continued)

```
    200.sixtrack:   -Qipo -QxW  +FDO ONESTEP=yes
    301.apsi:       -Qipo -QxW  -O3 +FDO ONESTEP=yes
  BIOS Configuration Notes
    Hyper Threading disabled
```