



CFP2000 Result

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Hewlett-Packard Company

hp workstation zx6000 (1000 MHz, Itanium 2)

SPECfp_rate2000 = 16.5

SPECfp_rate_base2000 = 16.5

SPEC license #: 3 Tested by: HP Richardson Test date: Nov-2002 Hardware Avail: Sep-2002 Software Avail: Nov-2002

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	156	11.9	1	156	11.9
171.swim	1	93.3	38.6	1	93.3	38.6
172.mgrid	1	99.0	21.1	1	99.0	21.1
173.applu	1	96.7	25.2	1	96.7	25.2
177.mesa	1	193	8.41	1	193	8.41
178.galgel	1	114	29.4	1	114	29.4
179.art	1	57.7	52.3	1	57.7	52.3
183.quake	1	70.2	21.5	1	70.2	21.5
187.facerec	1	153	14.4	1	153	14.4
188.amp	1	244	10.4	1	244	10.4
189.lucas	1	158	14.7	1	158	14.7
191.fma3d	1	272	8.96	1	272	8.96
200.sixtrack	1	122	10.5	1	122	10.5
301.apsi	1	381	7.91	1	381	7.91

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1000
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1-2
 Parallel: no
 Primary Cache: 16KBI + 16KBD (on chip) per CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 3.0MB (on chip) per CPU
 Other Cache: N/A
 Memory: 6GB (12 * 512MB dimms)
 Disk Subsystem: 1x36GB SCSI disk
 Other Hardware: N/A

Software

Operating System: Red Hat Linux Advanced Server 2.1 for the Itanium Processor
 Compiler: Intel(R) C++ Compiler for Linux 7.0
 Intel(R) Fortran Compiler for Linux 7.0
 File System: ext3
 System State: Multi-user

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen PASS2=-prof_use
Base tuning:
C programs:      -ipo -O3 +FDO -ansi_alias
Fortran programs: -ipo -O3 +FDO
Portability:
178.galgel: -FI
```

Peak flags same as baseline (basepeak=true set globally)

Note:
 EFI shell utility 'cpuconfig' used
 to deconfigure other processors