



CFP2000 Result

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Hewlett-Packard Company

hp workstation zx6000 (900 MHz, Itanium 2)

SPECfp_rate2000 = 23.9

SPECfp_rate_base2000 = 23.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	176	21.1	2	176	21.1
171.swim	2	141	51.0	2	141	51.0
172.mgrid	2	139	30.1	2	139	30.1
173.applu	2	110	44.4	2	110	44.4
177.mesa	2	215	15.1	2	215	15.1
178.galgel	2	207	32.5	2	207	32.5
179.art	2	213	28.3	2	213	28.3
183.quake	2	93.6	32.2	2	93.6	32.2
187.facerec	2	200	22.0	2	200	22.0
188.amp	2	361	14.1	2	361	14.1
189.lucas	2	183	25.3	2	183	25.3
191.fma3d	2	315	15.5	2	315	15.5
200.sixtrack	2	143	17.8	2	143	17.8
301.apsi	2	435	13.9	2	435	13.9

Hardware

CPU: Intel Itanium 2
 CPU MHz: 900
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 chips, 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: 1.5MB (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 Workstation 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 processor