



# CFP2000 Result

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## Hewlett-Packard Company

### hp workstation zx6000 (900 MHz, Itanium 2)

SPECfp\_rate2000 = 13.2

SPECfp\_rate\_base2000 = 13.2

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	1	169	11.0	1	169	11.0
171.swim	1	100	35.8	1	100	35.8
172.mgrid	1	110	18.9	1	110	18.9
173.applu	1	106	22.9	1	106	22.9
177.mesa	1	215	7.56	1	215	7.56
178.galgel	1	205	16.4	1	205	16.4
179.art	1	164	18.4	1	164	18.4
183.quake	1	77.6	19.4	1	77.6	19.4
187.facerec	1	186	11.8	1	186	11.8
188.amp	1	344	7.42	1	344	7.42
189.lucas	1	167	13.9	1	167	13.9
191.fma3d	1	294	8.30	1	294	8.30
200.sixtrack	1	142	8.96	1	142	8.96
301.apsi	1	423	7.14	1	423	7.14

### 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