



# CFP2000 Result

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Hewlett-Packard Company  
hp workstation zx6000 (1000 MHz, Itanium 2)

SPECfp2000 = 1422  
SPECfp\_base2000 = 1422

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	156	1024	156	1024	
171.swim	3100	93.3	3324	93.3	3324	
172.mgrid	1800	99.0	1819	99.0	1819	
173.applu	2100	96.7	2171	96.7	2171	
177.mesa	1400	193	725	193	725	
178.galgel	2900	114	2537	114	2537	
179.art	2600	57.7	4506	57.7	4506	
183.quake	1300	70.2	1852	70.2	1852	
187.facerec	1900	153	1241	153	1241	
188.amp	2200	244	900	244	900	
189.lucas	2000	158	1266	158	1266	
191.fma3d	2100	272	773	272	773	
200.sixtrack	1100	122	903	122	903	
301.apsi	2600	381	682	381	682	

### 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