



# CFP2000 Result

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

SPECfp2000 = 1356  
SPECfp\_base2000 = 1356

SPEC license #: 3 Tested by: HP Ft. Collins Test date: Aug-2002 Hardware Avail: Sep-2002 Software Avail: Sep-2002

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	161	997	161	997	
171.swim	3100	97.8	3169	97.8	3169	
172.mgrid	1800	105	1707	105	1707	
173.applu	2100	103	2030	103	2030	
177.mesa	1400	214	654	214	654	
178.galgel	2900	117	2477	117	2477	
179.art	2600	65.6	3960	65.6	3960	
183.earth	1300	69.7	1864	69.7	1864	
187.facerec	1900	169	1123	169	1123	
188.amp	2200	247	889	247	889	
189.lucas	2000	166	1205	166	1205	
191.fma3d	2100	280	749	280	749	
200.sixtrack	1100	123	894	123	894	
301.apsi	2600	384	678	384	678	

### 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: 6 GB (12 \* 512MB DIMMs)  
 Disk Subsystem: One 36GB HDD  
 Other Hardware:

### Software

Operating System: Linux64 Debian 3.0 with 2.4.18 kernel for Itanium2/zx1  
 Compiler: Intel C++ and Fortran Compiler 6.0.1 for Linux  
 File System: ext2  
 System State: Multi-User

## Notes/Tuning Information

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

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

Note:  
 only one processor installed in system