



# CFP2000 Result

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

SPECfp2000 = --  
SPECfp\_base2000 = 1356

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	160	1003		
171.swim	3100	96.7	3205		
172.mgrid	1800	105	1720		
173.aplu	2100	103	2033		
177.mesa	1400	218	642		
178.galgel	2900	116	2505		
179.art	2600	61.5	4226		
183.quake	1300	69.5	1871		
187.facerec	1900	165	1152		
188.amp	2200	279	788		
189.lucas	2000	166	1206		
191.fma3d	2100	281	747		
200.sixtrack	1100	123	894		
301.apsi	2600	383	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
```

Note:  
only one processor installed in system