



# CFP2000 Result

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Hewlett-Packard Company  
HP Workstation zx6000 (1500 MHz, Itanium 2)

SPECfp2000 = 2106  
SPECfp\_base2000 = 2106

SPEC license #: 3 Tested by: HP Fort Collins Test date: Jun-2003 Hardware Avail: Sep-2003 Software Avail: Sep-2003

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
168.wupwise	1600	111	1438	111	1438	
171.swim	3100	74.0	4189	74.0	4189	
172.mgrid	1800	73.2	2458	73.2	2458	
173.applu	2100	60.8	3452	60.8	3452	
177.mesa	1400	123	1142	123	1142	
178.galgel	2900	68.8	4218	68.8	4218	
179.art	2600	38.3	6784	38.3	6784	
183.earth	1300	45.2	2878	45.2	2878	
187.facerec	1900	98.0	1938	98.0	1938	
188.amp	2200	156	1407	156	1407	
189.lucas	2000	115	1738	115	1738	
191.fma3d	2100	195	1075	195	1075	
200.sixtrack	1100	78.5	1401	78.5	1401	
301.apsi	2600	263	987	263	987	

### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 1500  
 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: 6.0MB (on chip) per CPU  
 Other Cache: N/A  
 Memory: 12GB (12 \* 1GB DIMMs)  
 Disk Subsystem: 1x36GB 10k RPM SCSI disk  
 Other Hardware: N/A

### Software

Operating System: Red Hat Linux Advanced Workstation 2.1 (Update 2)  
 Compiler: Intel C++ Compiler 7.1 for Linux64, Build 20030519  
 Intel Fortran Compiler 7.1 for Linux64, Build 20030519  
 File System: ext3  
 System State: Multi-user

## Notes/Tuning Information

```
+FDO: PASS1=-prof_gen PASS2=-prof_use
Base tuning flags:
  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:  
 'ELILO boot: linux maxcpus=0' used to  
 deconfigure other processors if necessary  
 Kernel was built with the configuration of 64K page size.