



# CFP2000 Result

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Hewlett-Packard Company  
HP Integrity Server rx5670 (1300 MHz, Itanium 2)

SPECfp\_rate2000 = 37.3  
SPECfp\_rate\_base2000 = 37.3

SPEC license #: 3 Tested by: HP Richardson Test date: Oct-2003 Hardware Avail: Sep-2003 Software Avail: Sep-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	132	28.2	2	132	28.2
171.swim	2	136	52.8	2	136	52.8
172.mgrid	2	121	34.4	2	121	34.4
173.applu	2	74.4	65.5	2	74.4	65.5
177.mesa	2	142	22.9	2	142	22.9
178.galgel	2	88.2	76.3	2	88.2	76.3
179.art	2	51.1	118	2	51.1	118
183.equake	2	68.2	44.2	2	68.2	44.2
187.facerec	2	125	35.2	2	125	35.2
188.amp	2	191	26.7	2	191	26.7
189.lucas	2	155	30.0	2	155	30.0
191.fma3d	2	231	21.1	2	231	21.1
200.sixtrack	2	92.5	27.6	2	92.5	27.6
301.apsi	2	307	19.7	2	307	19.7

### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 1300  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 1 core/chip  
 CPU(s) orderable: 1-4  
 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: 12GB (48 \* 256MB DIMMs - 2 memory carriers)  
 Disk Subsystem: 1x36GB 15k RPM SCSI disk  
 Other Hardware: N/A

### Software

Operating System: Red Hat Linux Advanced Server release 2.1AS (Update 2)  
 Compiler: Intel C++ Compiler 7.1 for Linux, Build 20030307  
 Intel Fortran Compiler 7.1 for Linux, Build 20030307  
 File System: ext3  
 System State: Multi-user

## Notes/Tuning Information

```
+FDO: PASS1=-prof_gen PASS2=-prof_use
Base tuning flags:
  C programs: -O3 -ipo +FDO -ansi_alias
  Fortran programs: -O3 -ipo +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