



# CFP2000 Result

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## Hewlett-Packard Company

### HP Integrity Server rx5670 (1300 MHz, Itanium 2)

SPECfp\_rate2000 = 57.2

SPECfp\_rate\_base2000 = 57.2

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	4	144	51.5	4	144	51.5
171.swim	4	277	51.9	4	277	51.9
172.mgrid	4	241	34.7	4	241	34.7
173.applu	4	106	92.2	4	106	92.2
177.mesa	4	142	45.8	4	142	45.8
178.galgel	4	94.2	143	4	94.2	143
179.art	4	62.5	193	4	62.5	193
183.equake	4	125	48.4	4	125	48.4
187.facerec	4	148	59.6	4	148	59.6
188.amp	4	192	53.1	4	192	53.1
189.lucas	4	275	33.7	4	275	33.7
191.fma3d	4	270	36.1	4	270	36.1
200.sixtrack	4	92.7	55.0	4	92.7	55.0
301.apsi	4	331	36.4	4	331	36.4

### Hardware

CPU: Intel Itanium 2  
CPU MHz: 1300  
FPU: Integrated  
CPU(s) enabled: 4 cores, 4 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