



# CFP2000 Result

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Hewlett-Packard Company  
hp server rx5670 (1000 MHz, Itanium 2)

SPECfp\_rate2000 = 49.3  
SPECfp\_rate\_base2000 = 49.3

SPEC license #: 3 Tested by: HP Richardson Test date: Nov-2002 Hardware Avail: Sep-2002 Software Avail: Nov-2002

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	169	43.8	4	169	43.8
171.swim	4	274	52.4	4	274	52.4
172.mgrid	4	238	35.0	4	238	35.0
173.applu	4	114	85.3	4	114	85.3
177.mesa	4	193	33.7	4	193	33.7
178.galgel	4	122	110	4	122	110
179.art	4	72.2	167	4	72.2	167
183.quake	4	125	48.1	4	125	48.1
187.facerec	4	182	48.3	4	182	48.3
188.amp	4	249	41.0	4	249	41.0
189.lucas	4	274	33.9	4	274	33.9
191.fma3d	4	325	30.0	4	325	30.0
200.sixtrack	4	122	41.7	4	122	41.7
301.apsi	4	417	29.0	4	417	29.0

### Hardware

CPU: Intel Itanium 2  
CPU MHz: 1000  
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: 1x73GB SCSI disk  
Other Hardware: N/A

### Software

Operating System: Red Hat Linux Advanced Server 2.1 for the Itanium Processor  
Compiler: Intel(R) C++ Compiler for Linux 7.0  
Intel(R) Fortran Compiler for Linux 7.0  
File System: ext3  
System State: Multi-user

## Notes/Tuning Information

```
+FDO: PASS1=-prof_gen PASS2=-prof_use
Base tuning:
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:  
EFI shell utility 'cpuconfig' used  
to deconfigure other processors