



# CFP2000 Result

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Hewlett-Packard Company  
hp server rx2600 (900 MHz, Itanium 2)

SPECfp\_rate2000 = 23.9

SPECfp\_rate\_base2000 = 23.9

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	2	174	21.4	2	174	21.4
171.swim	2	159	45.3	2	159	45.3
172.mgrid	2	138	30.3	2	138	30.3
173.applu	2	110	44.3	2	110	44.3
177.mesa	2	215	15.1	2	215	15.1
178.galgel	2	213	31.6	2	213	31.6
179.art	2	190	31.8	2	190	31.8
183.equake	2	90.7	33.2	2	90.7	33.2
187.facerec	2	206	21.4	2	206	21.4
188.amp	2	361	14.1	2	361	14.1
189.lucas	2	190	24.4	2	190	24.4
191.fma3d	2	310	15.7	2	310	15.7
200.sixtrack	2	143	17.8	2	143	17.8
301.apsi	2	420	14.4	2	420	14.4

### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 900  
 FPU: Integrated  
 CPU(s) enabled: 2 cores, 2 chips, 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: 1.5MB (on chip) per CPU  
 Other Cache: N/A  
 Memory: 6GB (12 \* 512MB dimms)  
 Disk Subsystem: 1x36GB 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