



# CFP2000 Result

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**Hewlett-Packard Company**  
HP Integrity rx2620-2 (1.6GHz/3MB Itanium 2)

SPECfp\_rate2000 = 48.5  
SPECfp\_rate\_base2000 = 48.5

SPEC license #: 3 Tested by: HP Richardson Test date: Oct-2004 Hardware Avail: Dec-2004 Software Avail: Nov-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	70.9	52.4	2	70.9	52.4
171.swim	2	149	48.2	2	149	48.2
172.mgrid	2	125	33.4	2	125	33.4
173.applu	2	57.7	84.4	2	57.7	84.4
177.mesa	2	112	28.9	2	112	28.9
178.galgel	2	50.6	133	2	50.6	133
179.art	2	20.8	290	2	20.8	290
183.equake	2	58.4	51.6	2	58.4	51.6
187.facerec	2	125	35.3	2	125	35.3
188.amp	2	156	32.8	2	156	32.8
189.lucas	2	158	29.3	2	158	29.3
191.fma3d	2	149	32.6	2	149	32.6
200.sixtrack	2	70.2	36.4	2	70.2	36.4
301.apsi	2	250	24.1	2	250	24.1

### Hardware

CPU: Intel Itanium 2  
 CPU MHz: 1600  
 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 core  
 Secondary Cache: 256KB (I+D) on chip, per core  
 L3 Cache: 3.0MB (I+D) on chip, per core  
 Other Cache: N/A  
 Memory: 24GB (12x2GB DIMMs)  
 Disk Subsystem: 1x146GB 10K SCSI  
 Other Hardware: N/A

### Software

Operating System: Red Hat Linux Advanced Server release 3.0AS (Update 3)  
 Compiler: Intel C++ Compiler 8.1 for Linux (Build 20041021)  
 Intel Fortran Compiler 8.1 for Linux (Build 20041021)  
 File System: ext3  
 System State: Multi-user

## Notes/Tuning Information

Base tuning flags:  
 C programs: -fast -ansi\_alias +FDO -IPF\_fp\_relaxed  
 Fortran programs: -fast +FDO -IPF\_fp\_relaxed

Portability:  
 178.galgel: -FI  
 187.facerec: srcalt=AllocShape

Peak flags same as baseline (basepeak=true set globally)  
 +FDO: PASS1=-prof\_gen PASS2=-prof\_use

Note:  
 EFI command "cpuconfig" used prior to booting to  
 deconfigure other processors if necessary