



# CFP2000 Result

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Hewlett-Packard Company  
HP Integrity rx1620-2 (1.6GHz/3MB Itanium 2)

SPECfp\_rate2000 = 31.2  
SPECfp\_rate\_base2000 = 31.2

SPEC license #: 3 Tested by: HP Richardson Test date: Oct-2004 Hardware Avail: Jan-2005 Software Avail: Nov-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	49.5	37.5	1	49.5	37.5
171.swim	1	65.1	55.2	1	65.1	55.2
172.mgrid	1	63.6	32.8	1	63.6	32.8
173.applu	1	50.8	47.9	1	50.8	47.9
177.mesa	1	111	14.7	1	111	14.7
178.galgel	1	44.5	75.5	1	44.5	75.5
179.art	1	20.5	147	1	20.5	147
183.equake	1	36.9	40.8	1	36.9	40.8
187.facerec	1	105	21.0	1	105	21.0
188.amp	1	145	17.6	1	145	17.6
189.lucas	1	104	22.3	1	104	22.3
191.fma3d	1	124	19.7	1	124	19.7
200.sixtrack	1	69.3	18.4	1	69.3	18.4
301.apsi	1	233	13.0	1	233	13.0

### Hardware

CPU: Intel Itanium 2 (1.6 GHz/3MB, 533 MHz FSB)  
 CPU MHz: 1600  
 FPU: Integrated  
 CPU(s) enabled: 1 core, 1 chip, 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: 16GB (8x2GB DIMMs)  
 Disk Subsystem: 1x36GB 15K 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