



CFP2000 Result

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Hewlett-Packard Company
HP Integrity rx2620-2 (1.6GHz/6MB, Itanium 2)

SPECfp_rate2000 = 51.5
SPECfp_rate_base2000 = 51.5

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	66.6	55.7	2	66.6	55.7
171.swim	2	144	49.9	2	144	49.9
172.mgrid	2	117	35.6	2	117	35.6
173.applu	2	56.1	86.9	2	56.1	86.9
177.mesa	2	110	29.5	2	110	29.5
178.galgel	2	40.5	166	2	40.5	166
179.art	2	21.0	287	2	21.0	287
183.equake	2	55.2	54.7	2	55.2	54.7
187.facerec	2	102	43.3	2	102	43.3
188.amp	2	135	37.9	2	135	37.9
189.lucas	2	151	30.6	2	151	30.6
191.fma3d	2	156	31.2	2	156	31.2
200.sixtrack	2	68.9	37.1	2	68.9	37.1
301.apsi	2	248	24.4	2	248	24.4

Hardware

CPU: Intel Itanium 2 (1.6 GHz/6MB, 400MHz FSB)
 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: 6.0MB (I+D) on chip, per core
 Other Cache: N/A
 Memory: 24GB (12x2GB 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