



CFP2000 Result

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

SPECfp_rate2000 = 31.0
SPECfp_rate_base2000 = 31.0

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	1	54.5	34.0	1	54.5	34.0
171.swim	1	71.0	50.7	1	71.0	50.7
172.mgrid	1	65.7	31.8	1	65.7	31.8
173.applu	1	51.8	47.0	1	51.8	47.0
177.mesa	1	110	14.8	1	110	14.8
178.galgel	1	40.1	83.9	1	40.1	83.9
179.art	1	21.0	144	1	21.0	144
183.equake	1	38.7	39.0	1	38.7	39.0
187.facerec	1	93.4	23.6	1	93.4	23.6
188.amp	1	134	19.0	1	134	19.0
189.lucas	1	108	21.4	1	108	21.4
191.fma3d	1	130	18.7	1	130	18.7
200.sixtrack	1	68.6	18.6	1	68.6	18.6
301.apsi	1	234	12.9	1	234	12.9

Hardware

CPU: Intel Itanium 2 (1.6 GHz/6MB, 400MHz 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: 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