



CFP2000 Result

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

SPECfp_rate2000 = 29.6
SPECfp_rate_base2000 = 29.6

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	1	57.5	32.3	1	57.5	32.3
171.swim	1	71.1	50.6	1	71.1	50.6
172.mgrid	1	68.6	30.4	1	68.6	30.4
173.applu	1	52.4	46.5	1	52.4	46.5
177.mesa	1	112	14.5	1	112	14.5
178.galgel	1	46.1	73.0	1	46.1	73.0
179.art	1	20.8	145	1	20.8	145
183.equake	1	40.6	37.2	1	40.6	37.2
187.facerec	1	111	19.9	1	111	19.9
188.amp	1	150	17.0	1	150	17.0
189.lucas	1	114	20.4	1	114	20.4
191.fma3d	1	131	18.6	1	131	18.6
200.sixtrack	1	69.7	18.3	1	69.7	18.3
301.apsi	1	234	12.9	1	234	12.9

Hardware

CPU: Intel Itanium 2
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: 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