



CFP2000 Result

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Hewlett-Packard Company
HP Integrity Server rx1600 (1000 MHz, Itanium 2)

SPECfp_rate2000 = 27.6
SPECfp_rate_base2000 = 27.6

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	161	23.0	2	161	23.0
171.swim	2	170	42.4	2	170	42.4
172.mgrid	2	137	30.5	2	137	30.5
173.applu	2	90.9	53.6	2	90.9	53.6
177.mesa	2	171	19.0	2	171	19.0
178.galgel	2	161	41.7	2	161	41.7
179.art	2	158	38.2	2	158	38.2
183.equake	2	75.2	40.1	2	75.2	40.1
187.facerec	2	174	25.3	2	174	25.3
188.amp	2	286	17.9	2	286	17.9
189.lucas	2	174	26.7	2	174	26.7
191.fma3d	2	257	18.9	2	257	18.9
200.sixtrack	2	124	20.5	2	124	20.5
301.apsi	2	370	16.3	2	370	16.3

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1000
 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 CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 1.5MB (on chip) per CPU
 Other Cache: N/A
 Memory: 8GB (8 * 1GB DIMMs)
 Disk Subsystem: 1x73GB 15k RPM SCSI disk
 Other Hardware: N/A

Software

Operating System: Red Hat Linux Advanced Server release 2.1AS (Update 2)
 Compiler: Intel C++ Compiler 8.0 for Linux, Build 20031017
 Intel Fortran Compiler 8.0 for Linux, Build 20031017
 File System: ext3
 System State: Multi-user

Notes/Tuning Information

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+FDO: PASS1=-prof_gen PASS2=-prof_use
Base tuning flags:
  C programs: -O3 -ipo +FDO -ansi_alias
  Fortran programs: -O3 -ipo +FDO
Portability:
  178.galgel: -FI

Peak flags same as baseline (basepeak=true set globally)
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Note:
 'ELILO boot: linux maxcpus=0' used to
 deconfigure other processors if necessary