



CFP2000 Result

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Hewlett-Packard Company
HP Integrity Server rx4640 (1300 MHz, Itanium 2)

SPECfp_rate2000 = 21.9
SPECfp_rate_base2000 = 21.9

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

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	128	14.4	1	128	14.4
171.swim	1	75.7	47.5	1	75.7	47.5
172.mgrid	1	78.4	26.6	1	78.4	26.6
173.applu	1	68.1	35.8	1	68.1	35.8
177.mesa	1	133	12.2	1	133	12.2
178.galgel	1	77.5	43.4	1	77.5	43.4
179.art	1	49.1	61.5	1	49.1	61.5
183.quake	1	53.2	28.3	1	53.2	28.3
187.facerec	1	114	19.4	1	114	19.4
188.amp	1	181	14.1	1	181	14.1
189.lucas	1	115	20.1	1	115	20.1
191.fma3d	1	200	12.2	1	200	12.2
200.sixtrack	1	90.5	14.1	1	90.5	14.1
301.apsi	1	288	10.5	1	288	10.5

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1300
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 1 core/chip
 CPU(s) orderable: 1-4
 Parallel: no
 Primary Cache: 16KBI + 16KBD (on chip) per CPU
 Secondary Cache: 256KB (on chip) per CPU
 L3 Cache: 3.0MB (on chip) per CPU
 Other Cache: N/A
 Memory: 32GB (16 * 2GB DIMMs)
 Disk Subsystem: 1x36GB 10k 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)
```

Note:
 'ELILO boot: linux maxcpus=0' used to
 deconfigure other processors if necessary
 Kernel was built with the configuration of 64K page size.