



CFP2000 Result

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Hewlett-Packard Company

HP Integrity Server rx5670 (1500 MHz, Itanium 2)

SPECfp_rate2000 = 66.4

SPECfp_rate_base2000 = 66.4

SPEC license #: 3 Tested by: HP Richardson Test date: Jun-2003 Hardware Avail: Sep-2003 Software Avail: Sep-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	4	129	57.5	4	129	57.5
171.swim	4	273	52.7	4	273	52.7
172.mgrid	4	225	37.1	4	225	37.1
173.applu	4	101	96.3	4	101	96.3
177.mesa	4	122	53.4	4	122	53.4
178.galgel	4	69.0	195	4	69.0	195
179.art	4	39.7	304	4	39.7	304
183.quake	4	108	55.9	4	108	55.9
187.facerec	4	124	71.2	4	124	71.2
188.amp	4	156	65.6	4	156	65.6
189.lucas	4	266	34.9	4	266	34.9
191.fma3d	4	251	38.9	4	251	38.9
200.sixtrack	4	80.4	63.5	4	80.4	63.5
301.apsi	4	285	42.3	4	285	42.3

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1500
 FPU: Integrated
 CPU(s) enabled: 4 cores, 4 chips, 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: 6.0MB (on chip) per CPU
 Other Cache: N/A
 Memory: 24GB (48 x 512MB DIMMs on 2 memory carriers)
 Disk Subsystem: 1x36GB 15k RPM SCSI disk
 Other Hardware: N/A

Software

Operating System: Red Hat Linux Advanced Server 2.1 (Update 2)
 Compiler: Intel C++ Compiler 7.1 for Linux64, Build 20030519
 Intel Fortran Compiler 7.1 for Linux64, Build 20030519
 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: -ipo -O3 +FDO -ansi_alias
  Fortran programs: -ipo -O3 +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.