



CFP2000 Result

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

SPECfp_rate2000 = 16.0
SPECfp_rate_base2000 = 16.0

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	1	157	11.8	1	157	11.8
171.swim	1	90.4	39.8	1	90.4	39.8
172.mgrid	1	92.9	22.5	1	92.9	22.5
173.applu	1	85.8	28.4	1	85.8	28.4
177.mesa	1	173	9.36	1	173	9.36
178.galgel	1	132	25.6	1	132	25.6
179.art	1	135	22.3	1	135	22.3
183.equake	1	65.6	23.0	1	65.6	23.0
187.facerec	1	159	13.9	1	159	13.9
188.amp	1	279	9.14	1	279	9.14
189.lucas	1	128	18.1	1	128	18.1
191.fma3d	1	240	10.1	1	240	10.1
200.sixtrack	1	124	10.3	1	124	10.3
301.apsi	1	358	8.43	1	358	8.43

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1000
 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 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

```
+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