



CFP2000 Result

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Hewlett-Packard Company
hp server rx5670 (900 MHz, Itanium 2)

SPECfp_rate2000 = 13.3
SPECfp_rate_base2000 = 13.3

SPEC license #: 3 Tested by: HP Richardson Test date: Nov-2002 Hardware Avail: Sep-2002 Software Avail: Nov-2002

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	168	11.0	1	168	11.0
171.swim	1	98.9	36.3	1	98.9	36.3
172.mgrid	1	108	19.4	1	108	19.4
173.applu	1	105	23.2	1	105	23.2
177.mesa	1	214	7.58	1	214	7.58
178.galgel	1	193	17.5	1	193	17.5
179.art	1	172	17.5	1	172	17.5
183.quake	1	75.2	20.0	1	75.2	20.0
187.facerec	1	184	12.0	1	184	12.0
188.amp	1	342	7.46	1	342	7.46
189.lucas	1	165	14.1	1	165	14.1
191.fma3d	1	292	8.33	1	292	8.33
200.sixtrack	1	142	8.96	1	142	8.96
301.apsi	1	417	7.24	1	417	7.24

Hardware

CPU: Intel Itanium 2
 CPU MHz: 900
 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: 1.5MB (on chip) per CPU
 Other Cache: N/A
 Memory: 12GB (48 * 256MB DIMMs - 2 memory carriers)
 Disk Subsystem: 1x73GB SCSI disk
 Other Hardware: N/A

Software

Operating System: Red Hat Linux Advanced Server 2.1 for the Itanium Processor
 Compiler: Intel(R) C++ Compiler for Linux 7.0
 Intel(R) Fortran Compiler for Linux 7.0
 File System: ext3
 System State: Multi-user

Notes/Tuning Information

```
+FDO: PASS1=-prof_gen PASS2=-prof_use
Base tuning:
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:
 EFI shell utility 'cpuconfig' used
 to deconfigure other processors