CFP2000 Result

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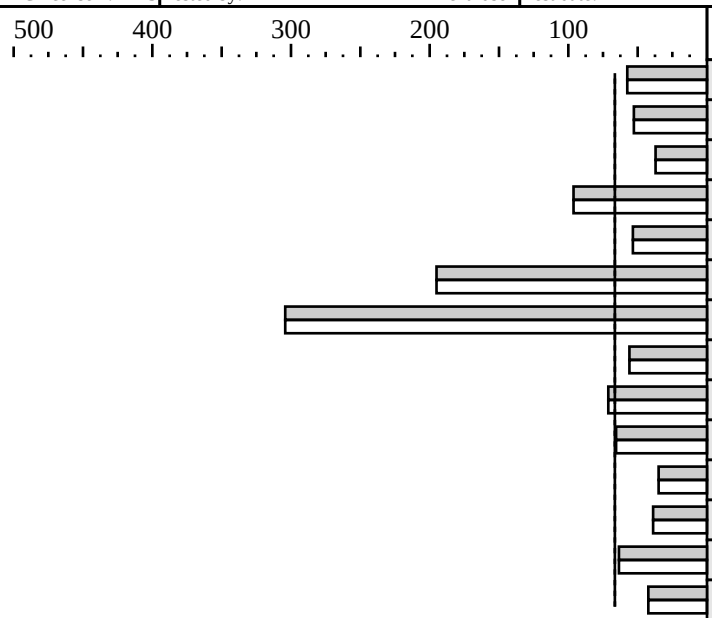
Hewlett-Packard Company

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.equake	4	108	55.9	4	108	55.9
187.facerec	4	124	71.2	4	124	71.2
188.ammp	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 Fortan Compiler 7.1 for Linux64, Build 20030519
File System:	ext3
System State:	Multi-user

Notes/Tuning Information

```
+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.
```