CFP2000 Result

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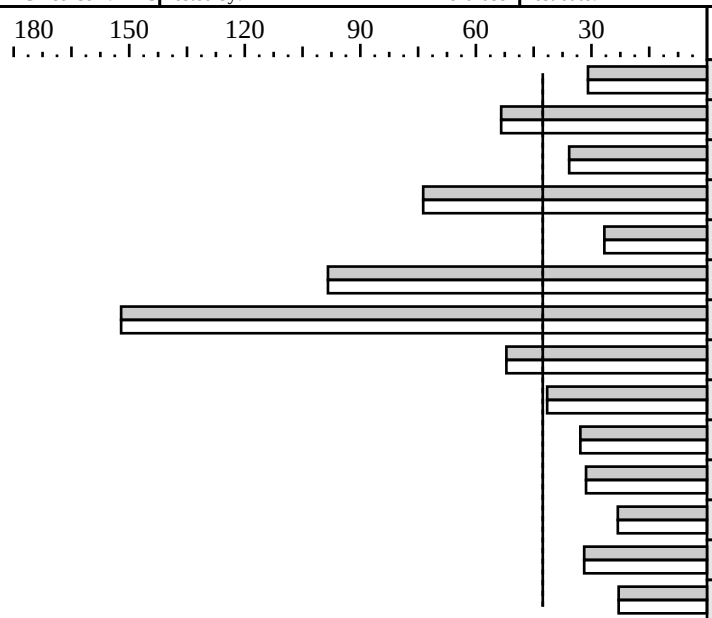
Hewlett-Packard Company

HP Integrity Server rx5670 (1500 MHz, Itanium 2)

SPECfp_rate2000 = 42.6

SPECfp_rate_base2000 = 42.6

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	2	120	30.9	2	120	30.9
171.swim	2	135	53.4	2	135	53.4
172.mgrid	2	117	35.8	2	117	35.8
173.applu	2	66.1	73.7	2	66.1	73.7
177.mesa	2	122	26.6	2	122	26.6
178.galgel	2	68.4	98.4	2	68.4	98.4
179.art	2	39.7	152	2	39.7	152
183.equake	2	57.9	52.1	2	57.9	52.1
187.facerec	2	106	41.5	2	106	41.5
188.ammp	2	155	32.9	2	155	32.9
189.lucas	2	148	31.4	2	148	31.4
191.fma3d	2	210	23.2	2	210	23.2
200.sixtrack	2	80.0	31.9	2	80.0	31.9
301.apsi	2	263	22.9	2	263	22.9

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 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.
```