CFP2000 Result

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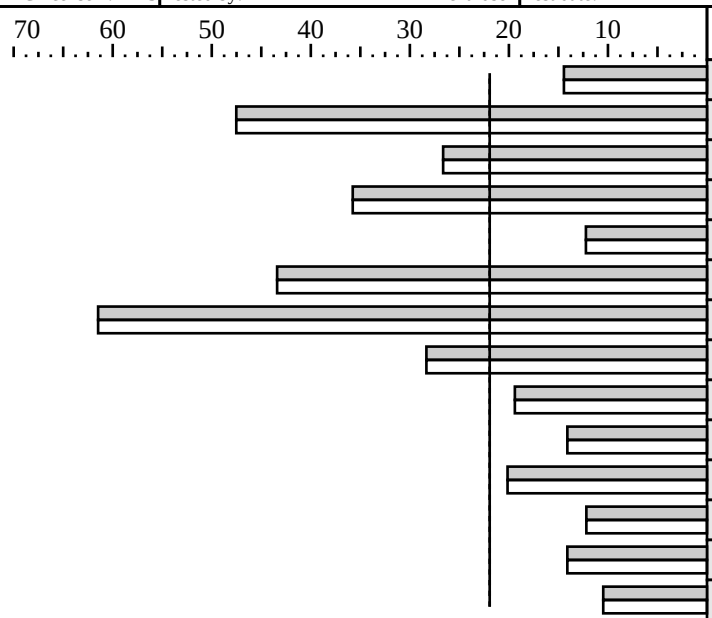
Hewlett-Packard Company

HP Integrity Server rx4640 (1300 MHz, Itanium 2)

SPECfp_rate2000 = 21.9

SPECfp_rate_base2000 = 21.9

SPEC license #: 3 | Tested by: HP Richardson | Test date: Jan-2004 | Hardware Avail: Jan-2004 | Software Avail: Jan-2004



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	1	128	14.4	1	128	14.4
171.swim	1	75.7	47.5	1	75.7	47.5
172.mgrid	1	78.4	26.6	1	78.4	26.6
173.applu	1	68.1	35.8	1	68.1	35.8
177.mesa	1	133	12.2	1	133	12.2
178.galgel	1	77.5	43.4	1	77.5	43.4
179.art	1	49.1	61.5	1	49.1	61.5
183.equake	1	53.2	28.3	1	53.2	28.3
187.facerec	1	114	19.4	1	114	19.4
188.ammp	1	181	14.1	1	181	14.1
189.lucas	1	115	20.1	1	115	20.1
191.fma3d	1	200	12.2	1	200	12.2
200.sixtrack	1	90.5	14.1	1	90.5	14.1
301.apsi	1	288	10.5	1	288	10.5

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1300
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:	3.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	32GB (16 * 2GB DIMMs)
Disk Subsystem:	1x36GB 10k 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 Fortan 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)


Note:
  'ELILO boot: linux maxcpus=0' used to
  deconfigure other processors if necessary
  Kernel was built with the configuration of 64K page size.
```