CFP2000 Result

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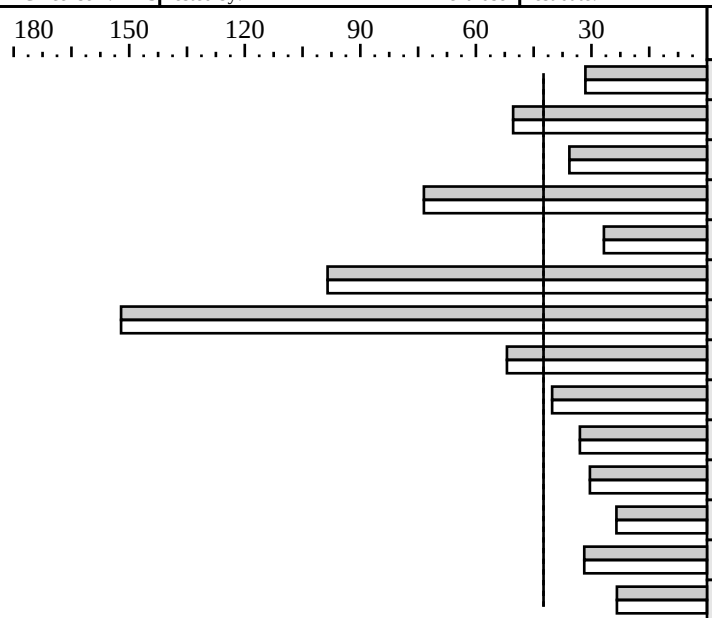
Hewlett-Packard Company

HP Integrity Server rx2600 (1500 MHz, Itanium 2)

SPECfp_rate2000 = 42.4

SPECfp_rate_base2000 = 42.4

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	2	118	31.6	2	118	31.6
171.swim	2	143	50.3	2	143	50.3
172.mgrid	2	117	35.7	2	117	35.7
173.applu	2	66.3	73.5	2	66.3	73.5
177.mesa	2	121	26.8	2	121	26.8
178.galgel	2	68.3	98.5	2	68.3	98.5
179.art	2	39.7	152	2	39.7	152
183.equake	2	58.1	51.9	2	58.1	51.9
187.facerec	2	110	40.2	2	110	40.2
188.ammp	2	155	33.0	2	155	33.0
189.lucas	2	153	30.4	2	153	30.4
191.fma3d	2	207	23.5	2	207	23.5
200.sixtrack	2	80.1	31.9	2	80.1	31.9
301.apsi	2	258	23.4	2	258	23.4

Hardware

CPU:	Intel Itanium 2
CPU MHz:	1500
FPU:	Integrated
CPU(s) enabled:	2 cores, 2 chips, 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:	6.0MB (on chip) per CPU
Other Cache:	N/A
Memory:	12GB (12 * 1GB DIMMs)
Disk Subsystem:	1x36GB 10k 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.
```