CFP2000 Result

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Hewlett-Packard Company

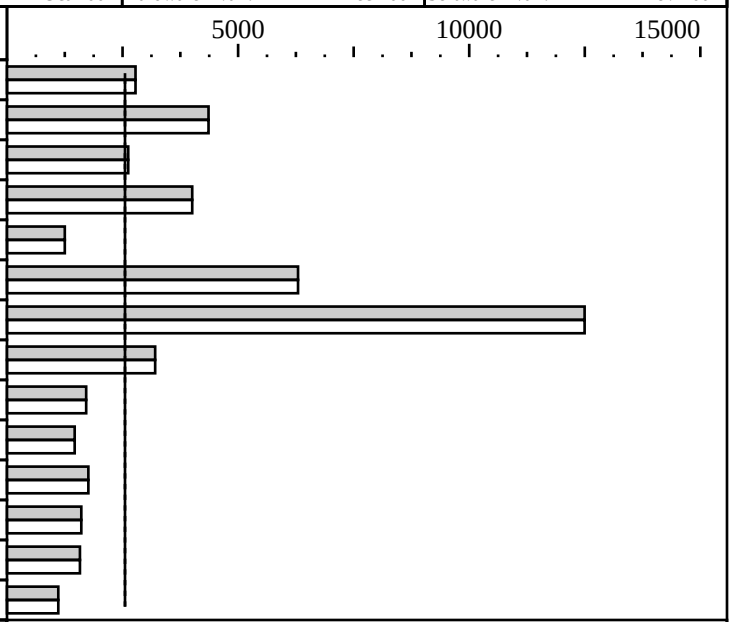
HP Integrity rx2620-2 (1.6GHz/3MB Itanium 2)

SPECfp2000 = 2553

SPECfp_base2000 = 2553

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	57.5	2780	57.5	2780
171.swim	3100	71.1	4360	71.1	4360
172.mgrid	1800	68.6	2623	68.6	2623
173.applu	2100	52.4	4007	52.4	4007
177.mesa	1400	112	1250	112	1250
178.galgel	2900	46.1	6297	46.1	6297
179.art	2600	20.8	12496	20.8	12496
183.equake	1300	40.6	3205	40.6	3205
187.facerec	1900	111	1713	111	1713
188.ammp	2200	150	1464	150	1464
189.lucas	2000	114	1760	114	1760
191.fma3d	2100	131	1608	131	1608
200.sixtrack	1100	69.7	1578	69.7	1578
301.apsi	2600	234	1110	234	1110



Hardware

CPU:	Intel Itanium 2
CPU MHz:	1600
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1-2
Parallel:	no
Primary Cache:	16KBI + 16KBD on chip, per core
Secondary Cache:	256KB (I+D) on chip, per core
L3 Cache:	3.0MB (I+D) on chip, per core
Other Cache:	N/A
Memory:	24GB (12x2GB DIMMs)
Disk Subsystem:	1x146GB 10K SCSI
Other Hardware:	N/A

Software

Operating System:	Red Hat Linux Advanced Server release 3.0AS (Update 3)
Compiler:	Intel C++ Compiler 8.1 for Linux (Build 20041021) Intel Fortran Compiler 8.1 for Linux (Build 20041021)
File System:	ext3
System State:	Multi-user

Notes/Tuning Information

```
Base tuning flags:
        C programs: -fast -ansi_alias +FDO -IPF_fp_relaxed
   Fortran programs: -fast +FDO -IPF_fp_relaxed

Portability:
        178.galgel:  -FI
        187.facerec: srcalt=AllocShape

Peak flags same as baseline (basepeak=true set globally)
+FDO: PASS1=-prof_gen  PASS2=-prof_use

Note:
  EFI command "cpuconfig" used prior to booting to
  deconfigure other processors if necessary
```