# CFP2000 Result

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## Hewlett-Packard Company

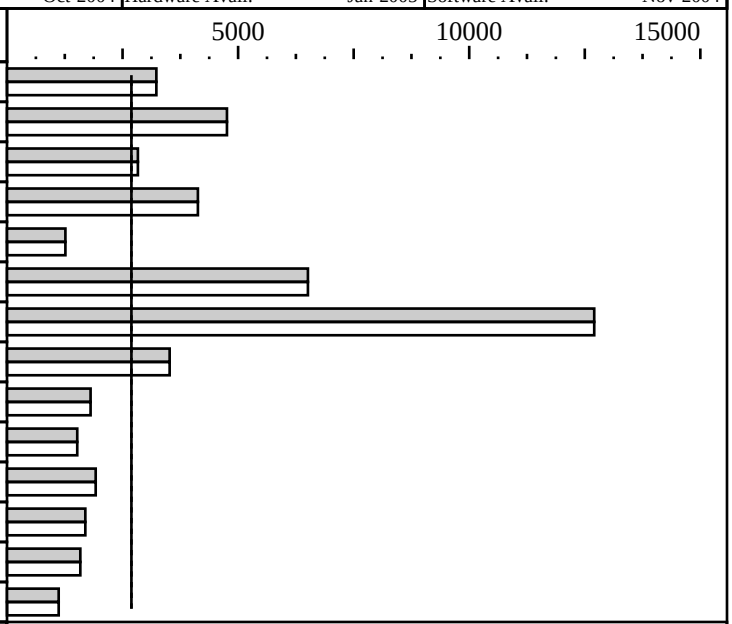
HP Integrity rx1620-2 (1.6GHz/3MB Itanium 2)

SPECfp2000 = 2692

SPECfp_base2000 = 2692

SPEC license #: 3 | Tested by: HP Richardson | Test date: Oct-2004 | Hardware Avail: Jan-2005 | Software Avail: Nov-2004

| Benchmark | Reference Time | Base Runtime | Base Ratio | Runtime | Ratio |
|---|---|---|---|---|---|
| 168.wupwise | 1600 | 49.5 | 3231 | 49.5 | 3231 |
| 171.swim | 3100 | 65.1 | 4759 | 65.1 | 4759 |
| 172.mgrid | 1800 | 63.6 | 2832 | 63.6 | 2832 |
| 173.applu | 2100 | 50.8 | 4130 | 50.8 | 4130 |
| 177.mesa | 1400 | 111 | 1263 | 111 | 1263 |
| 178.galgel | 2900 | 44.5 | 6510 | 44.5 | 6510 |
| 179.art | 2600 | 20.5 | 12704 | 20.5 | 12704 |
| 183.equake | 1300 | 36.9 | 3519 | 36.9 | 3519 |
| 187.facerec | 1900 | 105 | 1808 | 105 | 1808 |
| 188.ammp | 2200 | 145 | 1520 | 145 | 1520 |
| 189.lucas | 2000 | 104 | 1919 | 104 | 1919 |
| 191.fma3d | 2100 | 124 | 1694 | 124 | 1694 |
| 200.sixtrack | 1100 | 69.3 | 1586 | 69.3 | 1586 |
| 301.apsi | 2600 | 233 | 1118 | 233 | 1118 |




### Hardware

| | |
|---|---|
| CPU: | Intel Itanium 2 (1.6 GHz/3MB, 533 MHz FSB) |
| 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: | 16GB (8x2GB DIMMs) |
| Disk Subsystem: | 1x36GB 15K 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)<br>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
```