



CFP2000 Result

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Hewlett-Packard Company
HP Integrity Server rx2600 (1300 MHz, Itanium 2)

SPECfp_rate2000 = 36.9
SPECfp_rate_base2000 = 36.9

SPEC license #: 3 | Tested by: HP Richardson | Test date: Oct-2003 | Hardware Avail: Jul-2003 | Software Avail: Jul-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
168.wupwise	2	131	28.3	2	131	28.3
171.swim	2	148	48.6	2	148	48.6
172.mgrid	2	122	34.3	2	122	34.3
173.applu	2	74.1	65.7	2	74.1	65.7
177.mesa	2	141	23.0	2	141	23.0
178.galgel	2	86.8	77.5	2	86.8	77.5
179.art	2	53.3	113	2	53.3	113
183.equake	2	68.1	44.3	2	68.1	44.3
187.facerec	2	127	34.8	2	127	34.8
188.amp	2	191	26.7	2	191	26.7
189.lucas	2	160	29.1	2	160	29.1
191.fma3d	2	231	21.1	2	231	21.1
200.sixtrack	2	92.4	27.6	2	92.4	27.6
301.apsi	2	298	20.2	2	298	20.2

Hardware

CPU: Intel Itanium 2
CPU MHz: 1300
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: 3.0MB (on chip) per CPU
Other Cache: N/A
Memory: 12GB (12 * 1GB DIMMs)
Disk Subsystem: 1x36GB 15k RPM SCSI disk
Other Hardware: N/A

Software

Operating System: Red Hat Linux Advanced Server release 2.1AS (Update 2)
Compiler: Intel C++ Compiler 7.1 for Linux, Build 20030307
Intel Fortran Compiler 7.1 for Linux, Build 20030307
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