



CINT2000 Result

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HITACHI

HITACHI BladeSymphony (1.66GHz/9MB Itanium 2)

SPECint2000 = --
SPECint_base2000 = 1490

SPEC license #: 872 Tested by: HITACHI Test date: Jul-2005 Hardware Avail: Jul-2005 Software Avail: Jun-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
164.gzip	1400	133	1051		
175.vpr	1400	114	1231		
176.gcc	1100	64.5	1704		
181.mcf	1800	62.9	2862		
186.crafty	1000	76.3	1311		
197.parser	1800	166	1086		
252.eon	1300	57.8	2249		
253.perlbmk	1800	122	1472		
254.gap	1100	115	956		
255.vortex	1900	84.9	2239		
256.bzip2	1500	118	1271		
300.twolf	3000	202	1483		

Hardware

CPU: Intel Itanium 2
 CPU MHz: 1666
 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: 9.0MB(I+D) on chip, per core
 Other Cache: N/A
 Memory: 8GB (1GB DIMM x 8)
 Disk Subsystem: Seagate Ultra320 ST373454LC (73GBx1), 15000rpm
 Other Hardware: None

Software

Operating System: Red Hat Enterprise Linux AS 3 update 3
 Compiler: Intel(R) C++ Compiler for Linux 9.0 (Build 20050430)
 File System: ext3
 System State: Multi-user, run level 3

Notes/Tuning Information

Base tuning flags:

```
C : -fast -auto_ilp32 +FDO
C++ : -fast -auto_ilp32 -IPF_fp_relaxed +FDO
```

+FDO: PASS1=-prof_gen PASS2=-prof_use

Portability flags:

```
176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_alloca
186.crafty: -DLINUX_i386
252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST fmax_errno src.alt
253.perlbmk: -DSPEC_CPU2000_LP64 -DSPEC_CPU2000_NEED_BOOL
           -DSPEC_CPU2000_LINUX_IA64 -DSPEC_CPU2000_GLIBC22
254.gap: -DSPEC_CPU2000_LP64 -DSYS_HAS_CALLOC_PROTO -DSYS_IS_USG
           -DSYS_HAS_IOCTL_PROTO -DSYS_HAS_TIME_PROTO -DSYS_HAS_SIGNAL_PROTO
255.vortex: -DSPEC_CPU2000_LP64 closed_files src.alt
300.twolf: stdfree src.alt
```

One of two cpus is used.
 One is disabled by firmware prior to boot.