CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

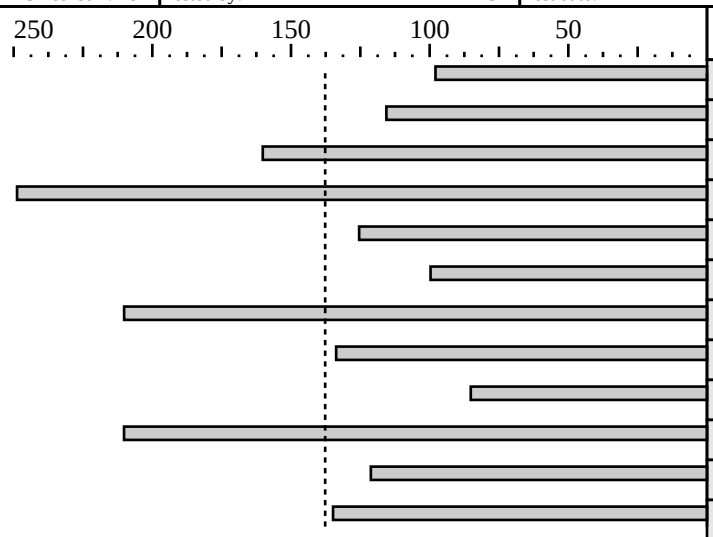
HITACHI

HITACHI BladeSymphony (1.66GHz/9MB Itanium 2, 4Blades 8waySMP)

SPECint_rate2000 = --

SPECint_rate_base2000 = 138

SPEC license #: 872 | Tested by: HITACHI | Test date: Dec-2005 | Hardware Avail: Nov-2005 | Software Avail: Nov-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	133	97.9			
175.vpr	8	112	116			
176.gcc	8	63.7	160			
181.mcf	8	67.1	249			
186.crafty	8	74.0	125			
197.parser	8	168	99.7			
252.eon	8	57.4	210			
253.perlbmk	8	125	134			
254.gap	8	120	85.2			
255.vortex	8	83.9	210			
256.bzip2	8	115	121			
300.twolf	8	206	135			

Hardware

CPU:	Intel Itanium 2 (667MHz FSB)
CPU MHz:	1666
FPU:	Integrated
CPU(s) enabled:	8 cores, 8 chips, 1 core/chip
CPU(s) orderable:	1,2,4,8
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:	32GB (1GB DIMM x 32)
Disk Subsystem:	Seagate Ultra320 ST373454LC (73GBx1), 15000rpm
Other Hardware:	None

Software

Operating System:	Red Hat Enterprise Linux AS 4 update 1
Compiler:	Intel(R) C++ Compiler for Linux 9.0 (Build 20051020)
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

Processes were bound to CPUs by using HITACHI bindlp command.
ccNUMA configuration was selected by firmware.
```