



CINT2000 Result

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Bull
NovaScale 5080 (1500MHz)

SPECint_rate2000 = 109
SPECint_rate_base2000 = 108

SPEC license #: 20 | Tested by: Allaoua AIT ELDJOUDI | Test date: Nov-2003 | Hardware Avail: Sep-2003 | Software Avail: Jan-2004

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	155	83.9	8	155	83.9
175.vpr	8	148	88.1	8	148	88.1
176.gcc	8	86.2	118	8	81.8	125
181.mcf	8	131	128	8	128	131
186.crafty	8	83.7	111	8	82.7	112
197.parser	8	198	84.2	8	198	84.4
252.eon	8	86.2	140	8	86.2	140
253.perlbnk	8	153	110	8	153	110
254.gap	8	151	67.8	8	151	67.8
255.vortex	8	104	169	8	103	171
256.bzip2	8	134	104	8	134	104
300.twolf	8	220	126	8	220	126

Hardware

CPU: Itanium 2 processor 1500 MHz
 CPU MHz: 1500
 FPU: Integrated
 CPU(s) enabled: 8 cores, 8 chips, 1 core/chip
 CPU(s) orderable: 4 to 8
 Parallel: No
 Primary Cache: 16KBI + 16KBD on chip
 Secondary Cache: 256KB(I+D) on chip
 L3 Cache: 6MB (I+D) on chip
 Other Cache: N/A
 Memory: 32 GB (2 * 16 * 1GB DIMMs)
 Disk Subsystem: 1 SJ0812 Disk drawer with 2 15krpm 36GB SCSI disks
 Other Hardware:

Software

Operating System: Bull Advanced Server 3 (linux 64 bits)
 Compiler: Intel(R) C++ Compiler for Linux 8 (Build 20030916)
 MicroQuill SmartHeap Library 7.01 (www.microquill.com)
 File System: ext2
 System State: Multiuser

Notes/Tuning Information

+FDO: PASS1=-prof_gen PASS2=-prof_use

Baseline optimization flags:

C programs: -fast -auto_ilp32 +FDO

C++ programs: -fast -ansi_alias +FDO

Extra Library: libsmartheap64.a (smh)

Portability Flags:

176.gcc: -DSPEC_CPU2000_LP64 -Dalloca=_builtin_alloca -D_LIBC

186.crafty: -DLINUX_i386

252.eon: -DSPEC_CPU2000_LP64 -DHAS_ERRLIST -DFMAX_IS_DOUBLE

253.perlbnk: -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

Peak optimization flags: (default)

C programs: -fast -auto_ilp32 +FDO

C++ programs: -fast -ansi_alias +FDO

No Extra Library



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Notes/Tuning Information (Continued)

```
164.gzip: basepeak=yes
175.vpr: basepeak=yes
176.gcc: +FDO -ipo -O2 -static -auto_ilp32
186.crafty: +FDO -ipo -O2 -static -auto_ilp32 + smh
197.parser: +FDO -fast -auto_ilp32
252.eon: basepeak=yes
253.perlbnk: basepeak=yes
254.gap: basepeak=yes
255.vortex: +FDO -ipo -O2 -static -auto_ilp32 + smh
256.bzip2: basepeak=yes
300.twolf: basepeak=yes
```