



CINT2000 Result

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**Bull
NovaScale 4040**

SPECint_rate2000 = 32.9

SPECint_rate_base2000 = 32.5

SPEC license #: 20 | Tested by: Tilmant | Test date: Mar-2003 | Hardware Avail: Apr-2003 | Software Avail: Apr-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	227	28.7	4	226	28.7
175.vpr	4	232	27.9	4	230	28.2
176.gcc	4	128	39.9	4	124	41.1
181.mcf	4	339	24.6	4	339	24.6
186.crafty	4	131	35.4	4	129	35.9
197.parser	4	319	26.2	4	318	26.2
252.eon	4	150	40.2	4	141	42.7
253.perlbnk	4	258	32.4	4	256	32.6
254.gap	4	203	25.2	4	202	25.2
255.vortex	4	173	51.0	4	169	52.2
256.bzip2	4	220	31.7	4	220	31.7
300.twolf	4	389	35.8	4	389	35.7

Hardware

CPU: Itanium 2 processor 1000 MHz
CPU MHz: 1000
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 1 core/chip
CPU(s) orderable: 1 to 4
Parallel: No
Primary Cache: 16KBI + 16KBD on chip
Secondary Cache: 256KB(I+D) on chip
L3 Cache: 3MB (I+D) off chip
Other Cache: N/A
Memory: 4 GB (16 * 512 MB DIMMs)
Disk Subsystem: 1 SCSI Maxtor 10krpm
Other Hardware:

Software

Operating System: Microsoft Windows.Net Enterprise Server 2003 RC2, Build 3718
Compiler: Intel C/C++ and Fortran Compilers 7.0 for Windows Build 20030211 (Package ID: W_IC_PC_7.0.046 Microsoft Platform SDK, October 2003 2.1718.1)
File System: NTFS
System State: Default

Notes/Tuning Information

+FDO: PASS1=/Qprof_gen PASS2=/Qprof_use

Base tuning:

C programs: /Qipo +FDO /O3

C++ programs: /Qipo +FDO -GX -GR

Portability

175.vpr: -DSPEC_CPU2000_P64

176.gcc: -Dalloca=_alloca /F10000000

181.mcf: -DSPEC_CPU2000_P64

186.crafty: -DNT_i386

252.eon: -DSPEC_CPU2000_P64

253.perlbnk: -DSPEC_CPU2000_NTOS -DPERL DLL -DSPEC_CPU2000_P64

253.perlbnk: -DHAS_LONG_LONG -DUSE_LONG_LONG

254.gap: -DSPEC_CPU2000 -DSPEC_CPU2000_P64

255.vortex: -DSPEC_CPU2000_P64 -D_WIN32

164.gzip: +FDO /Qipo /O3 /QIPF_fma /QIPFfltacc /QIPFflt_eval_method0 -Qftz /Qansi_alias

175.vpr: +FDO /Qipo /O3

176.gcc: +FDO /Qipo /O2 /QIPF_fma /QIPFfltacc

181.mcf: +FDO /Qipo /O3 /QIPF_fma /QIPFfltacc

186.crafty: +FDO /Qipo /O2

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Notes/Tuning Information (Continued)

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197.parser: +FDO /Qipo /O3 /QIPF_fma /QIPFfltacc /QIPFflt_eval_method0 -Qftz /Qansi_alias
252.eon: +FDO /Qipo /O2 /QIPF_fma /QIPFfltacc /QIPFflt_eval_method0 -Qftz /Qansi_alias
253.perlbnk: +FDO /Qipo /O3 /QIPF_fma /QIPFfltacc /QIPFflt_eval_method0 -Qftz /Qansi_alias
254.gap: +FDO /Qipo /O3 /QIPF_fma /QIPFfltacc /QIPFflt_eval_method0 -Qftz /Qansi_alias
255.vortex: +FDO /Qipo /QIPF_fma /QIPFfltacc
256.bzip2: +FDO /Qipo /O3
300.twolf: +FDO /Qipo /O3
```