



CINT2000 Result

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Bull NovaScale 4040

SPECint2000 = 719
SPECint_base2000 = 711

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	300 600 900 1200			
164.gzip	1400	225	623	225	623	[Bar chart showing ratio 623]			
175.vpr	1400	228	613	228	613	[Bar chart showing ratio 613]			
176.gcc	1100	126	872	122	899	[Bar chart showing ratio 899]			
181.mcf	1800	302	596	302	596	[Bar chart showing ratio 596]			
186.crafty	1000	131	762	129	773	[Bar chart showing ratio 773]			
197.parser	1800	319	565	318	566	[Bar chart showing ratio 566]			
252.eon	1300	150	866	142	918	[Bar chart showing ratio 918]			
253.perlbmk	1800	261	690	260	692	[Bar chart showing ratio 692]			
254.gap	1100	197	559	196	561	[Bar chart showing ratio 561]			
255.vortex	1900	171	1112	167	1138	[Bar chart showing ratio 1138]			
256.bzip2	1500	220	683	219	685	[Bar chart showing ratio 685]			
300.twolf	3000	390	768	389	771	[Bar chart showing ratio 771]			

Hardware

CPU: Itanium 2 processor 1000 MHz
 CPU MHz: 1000
 FPU: Integrated
 CPU(s) enabled: 1 core, 1 chip, 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: 3 CPUs physically removed from a 4 way machine

Software

Operating System: Microsoft Windows.Net Enterprise Server 2003 RC2, Build 3718
 Compiler: Intel C++ and Fortran Compilers 7.0 for Windows Build 20020211 (Package ID: W_IC_PC_7.0.046 Microsoft Platform SDK, October 2002 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.perlbmk: -DSPEC_CPU2000_NTOS -DPERL DLL -DSPEC_CPU2000_P64

253.perlbmk: -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
```