CINT2000 Result

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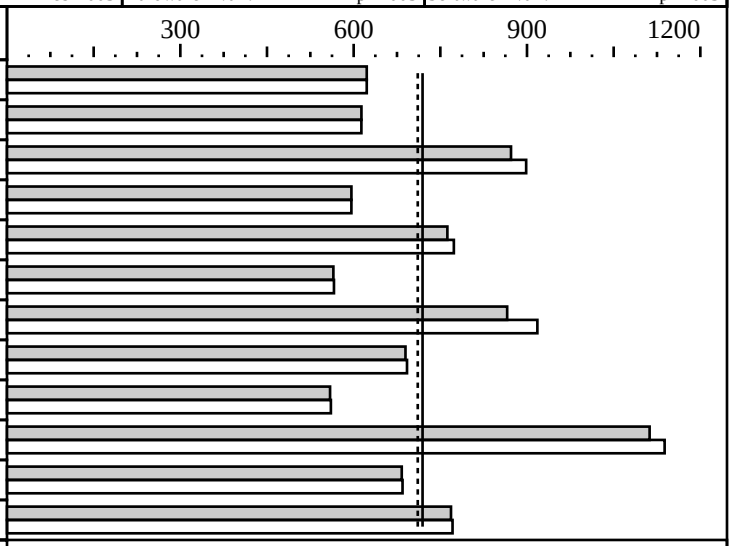
Bull
NovaScale 4040

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
164.gzip	1400	225	623	225	623
175.vpr	1400	228	613	228	613
176.gcc	1100	126	872	122	899
181.mcf	1800	302	596	302	596
186.crafty	1000	131	762	129	773
197.parser	1800	319	565	318	566
252.eon	1300	150	866	142	918
253.perlbmk	1800	261	690	260	692
254.gap	1100	197	559	196	561
255.vortex	1900	171	1112	167	1138
256.bzip2	1500	220	683	219	685
300.twolf	3000	390	768	389	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/C++ and Fortran Compilers 7.0 for Windows Build 20030213 (Package ID: W_CC_PU_7.0.094) Microsoft Platform SDK October 2002(5.2.3718.1)
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  -DPERLDLL -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 /QIPF_fltacc /QIPF_flt_eval_method0  -Qftz /Qansi_alias
175.vpr: +FDO /Qipo /O3
176.gcc: +FDO /Qipo /O2 /QIPF_fma /QIPF_fltacc
181.mcf: +FDO /Qipo /O3 /QIPF_fma /QIPF_fltacc
186.crafty: +FDO /Qipo /O2
```

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Notes/Tuning Information (Continued)

```
197.parser: +FDO /Qipo /O3 /QIPF_fma /QIPF_fltacc /QIPF_flt_eval_method0  -Qftz /Qansi_alias
252.eon: +FDO /Qipo /O2 /QIPF_fma /QIPF_fltacc /QIPF_flt_eval_method0  -Qftz /Qansi_alias
253.perlbmk: +FDO /Qipo /O3 /QIPF_fma /QIPF_fltacc /QIPF_flt_eval_method0  -Qftz /Qansi_alias
254.gap: +FDO /Qipo /O3 /QIPF_fma /QIPF_fltacc /QIPF_flt_eval_method0  -Qftz /Qansi_alias
255.vortex: +FDO /Qipo /QIPF_fma /QIPF_fltacc
256.bzip2: +FDO /Qipo /O3
300.twolf: +FDO /Qipo /O3
```