



CINT2000 Result

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Fujitsu Siemens Computers

PRIMERGY Econel 100, Intel Pentium D processor 820, 2.8GHz

SPECint_rate2000 = 29.2

SPECint_rate_base2000 = 29.2

SPEC license #: 22 | Tested by: Fujitsu Siemens Computers | Test date: Aug-2005 | Hardware Avail: Oct-2005 | Software Avail: Sep-2005

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.zip	2	150	21.7	2	150	21.7
175.vpr	2	171	19.0	2	171	19.0
176.gcc	2	71.2	35.8	2	71.2	35.8
181.mcf	2	178	23.5	2	178	23.5
186.crafy	2	96.3	24.1	2	96.3	24.1
197.parser	2	162	25.8	2	162	25.8
252.eon	2	77.8	38.8	2	77.8	38.8
253.perlbnk	2	108	38.5	2	108	38.5
254.gap	2	74.9	34.1	2	74.9	34.1
255.vortex	2	86.0	51.3	2	86.0	51.3
256.bzip2	2	163	21.3	2	163	21.3
300.twolf	2	219	31.7	2	219	31.7

Hardware

CPU: Intel Pentium D processor 820, 2.80GHz, 800MHz system bus
 CPU MHz: 2800
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12k micro-ops I + 16KBD on chip, per core
 Secondary Cache: 1024KB (I+D) on chip, per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4x2048 MB DDRII-RAM PC2-4200
 Disk Subsystem: Seagate ST3160023AS (SATA, 7.2krpm)
 Other Hardware:

Software

Operating System: Windows Server 2003 Enterprise Edition + SP1
 Compiler: Intel C++ Compiler 9.0
 Build 20050722Z (for 32-bit applications),
 Microsoft Visual Studio .Net 2003
 7.1.3088 (for libraries),
 SmartHeap Library Version 7.4
 from <http://www.microquill.com>
 File System: NTFS
 System State: Default

Notes/Tuning Information

GENERAL

+FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

Portability flags

176.gcc: -Dalloca=_alloca /F10000000
 186.crafy: -DNT_i386
 252.eon: Approved srcalt stdcpp is used
 253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDLL /MT
 254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Base tuning flags

for C programs: -fast +FDO shlw32m.lib
 for C++ programs: -fast -Qcxx_features +FDO shlw32m.lib

Peak tuning flags

same as baseline (basepeak=yes set globally)

New 32-bit Windows tools used, approved in May-2005

The system bus runs at 800 MHz



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Notes/Tuning Information (Continued)

This result was measured with 32-bit binaries using the 32-bit version of the operating system.

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