SPEC® CINT2006 Result
Copyright 2006-2015 Standard Performance Evaluation Corporation

Dell
(Test Sponsor: NIT Calicut)

Inspiron 7420

SPECint®2006 = 27.1

SPECint_base2006 = 27.1

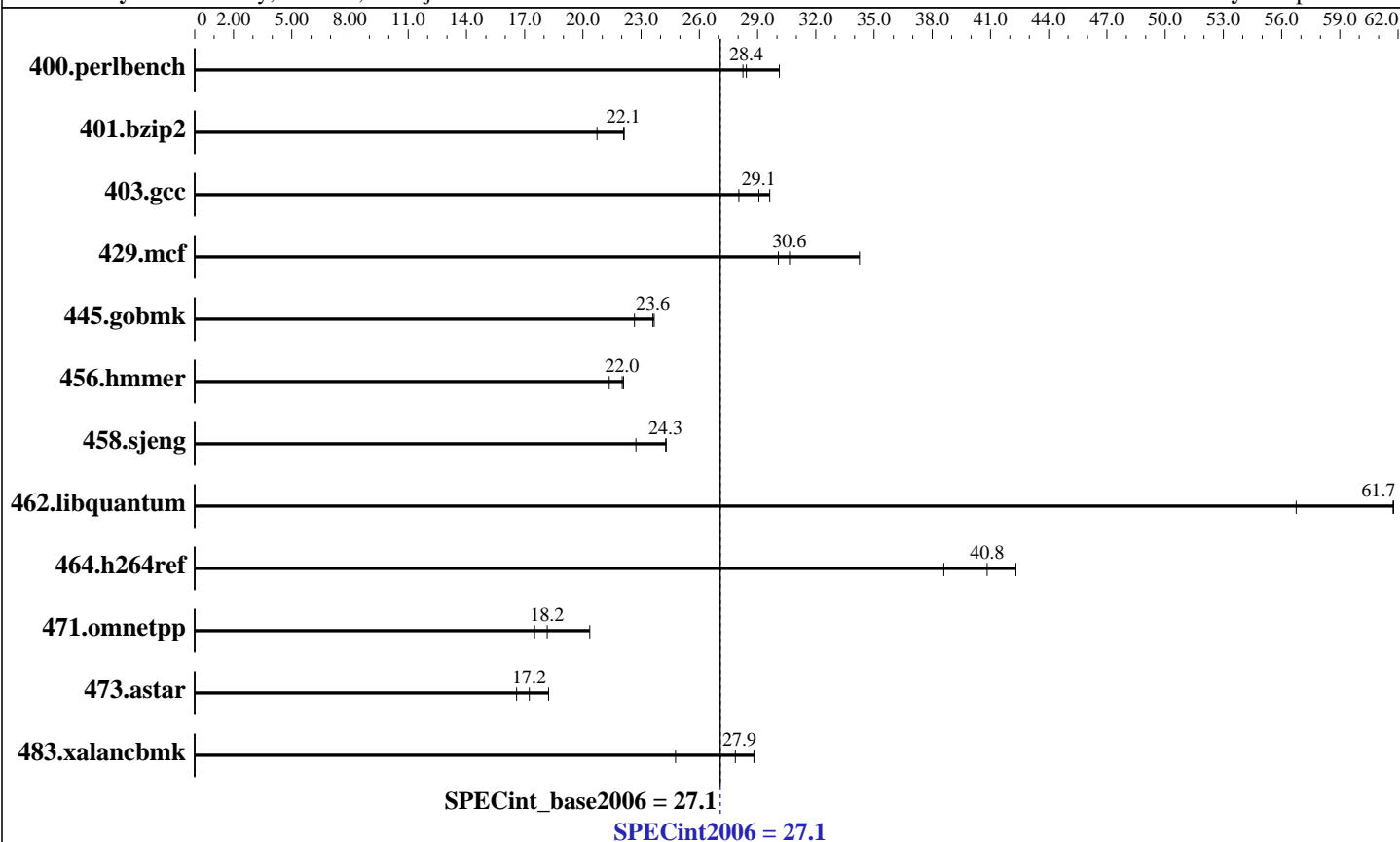|	
CPU2006 license: 3220	**Test date:** Apr-2015
Test sponsor: NIT Calicut	**Hardware Availability:** Apr-2015
Tested by: Rony, Blesson, Niranjan	**Software Availability:** Apr-2015

Benchmark	Score
400.perlbench	28.4
401.bzip2	22.1
403.gcc	29.1
429.mcf	30.6
445.gobmk	23.6
456.hmmer	22.0
458.sjeng	24.3
462.libquantum	61.7
464.h264ref	40.8
471.omnetpp	18.2
473.astar	17.2
483.xalancbmk	27.9

SPECint_base2006 = 27.1

SPECint2006 = 27.1

Hardware

CPU Name:	Intel Core i7-3632QM
CPU Characteristics:	
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 2 cores/chip, 2 threads/core
CPU(s) orderable:	1 chip
Primary Cache:	32 KB I + 32 KB D on chip per core
Secondary Cache:	256 KB I+D on chip per core
L3 Cache:	3 MB I+D on chip per chip
Other Cache:	None
Memory:	7.661 GB fixme: If using DDR3, format is: 'N GB (M x N GB nRxn PCn-nnnnnR-n, ECC)'
Disk Subsystem:	83 GB add more disk info here
Other Hardware:	None

Software

Operating System:	Ubuntu 14.04.2 LTS 3.13.0-49-generic
Compiler:	gcc, g++ & gfortran 4.3.4
Auto Parallel:	No
File System:	ext4
System State:	Run level 2 (add definition here)
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	None

SPEC CINT2006 Result
Copyright 2006-2015 Standard Performance Evaluation Corporation

Dell
(Test Sponsor: NIT Calicut)

Inspiron 7420

SPECint2006 =	27.1
SPECint_base2006 =	27.1

CPU2006 license: 3220
Test sponsor: NIT Calicut
Tested by: Rony, Blesson, Niranjan

Test date: Apr-2015
Hardware Availability: Apr-2015
Software Availability: Apr-2015

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	**344**	**28.4**	324	30.1	346	28.2	**344**	**28.4**	324	30.1	346	28.2
401.bzip2	436	22.1	**437**	**22.1**	466	20.7	436	22.1	**437**	**22.1**	466	20.7
403.gcc	**277**	**29.1**	272	29.6	287	28.0	**277**	**29.1**	272	29.6	287	28.0
429.mcf	303	30.1	266	34.3	**298**	**30.6**	303	30.1	266	34.3	**298**	**30.6**
445.gobmk	443	23.7	**444**	**23.6**	463	22.7	443	23.7	**444**	**23.6**	463	22.7
456.hmmer	**424**	**22.0**	422	22.1	437	21.4	**424**	**22.0**	422	22.1	437	21.4
458.sjeng	498	24.3	**499**	**24.3**	532	22.7	498	24.3	**499**	**24.3**	532	22.7
462.libquantum	335	61.8	**336**	**61.7**	365	56.8	335	61.8	**336**	**61.7**	365	56.8
464.h264ref	523	42.3	**542**	**40.8**	573	38.6	523	42.3	**542**	**40.8**	573	38.6
471.omnetpp	307	20.4	**344**	**18.2**	357	17.5	307	20.4	**344**	**18.2**	357	17.5
473.astar	385	18.2	**407**	**17.2**	423	16.6	385	18.2	**407**	**17.2**	423	16.6
483.xalancbmk	239	28.8	**248**	**27.9**	279	24.8	239	28.8	**248**	**27.9**	279	24.8

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

Submit Notes

```
'numactl' was used to bind copies to the cores.
See the configuration file for details.
```

Operating System Notes

```
'ulimit -s unlimited' was used to set environment stack size
```

Platform Notes

```
Sysinfo program /home/blesson/cpu200/Docs/sysinfo
$Rev: 6775 $ $Date:: 2011-08-16 #$ 8787f7622badcf24e01c368b1db4377c
running on blesson-Inspiron-7420 Wed Apr 22 20:04:29 2015

This section contains SUT (System Under Test) info as seen by
some common utilities.  To remove or add to this section, see:
  http://www.spec.org/cpu2006/Docs/config.html#sysinfo

From /proc/cpuinfo
   model name : Intel(R) Core(TM) i7-3632QM CPU @ 2.20GHz
      1 "physical id"s (chips)
      8 "processors"
   cores, siblings (Caution: counting these is hw and system dependent.  The
   following excerpts from /proc/cpuinfo might not be reliable.  Use with
   caution.)
      cpu cores : 4
      siblings  : 8
      physical 0: cores 0 1 2 3
```

Continued on next page

SPEC CINT2006 Result
Copyright 2006-2015 Standard Performance Evaluation Corporation

Dell
(Test Sponsor: NIT Calicut)

Inspiron 7420

SPECint2006 =   27.1

SPECint_base2006 =   27.1

CPU2006 license: 3220
Test sponsor: NIT Calicut
Tested by: Rony, Blesson, Niranjan

Test date: Apr-2015
Hardware Availability: Apr-2015
Software Availability: Apr-2015

Platform Notes (Continued)

```
    cache size : 6144 KB

  From /proc/meminfo
     MemTotal:        8033624 kB
     HugePages_Total:       0
     Hugepagesize:       2048 kB

  /usr/bin/lsb_release -d
     Ubuntu 14.04.2 LTS

  From /etc/*release* /etc/*version*
     debian_version: jessie/sid
     os-release:
        NAME="Ubuntu"
        VERSION="14.04.2 LTS, Trusty Tahr"
        ID=ubuntu
        ID_LIKE=debian
        PRETTY_NAME="Ubuntu 14.04.2 LTS"
        VERSION_ID="14.04"
        HOME_URL="http://www.ubuntu.com/"
        SUPPORT_URL="http://help.ubuntu.com/"

  uname -a:
     Linux blesson-Inspiron-7420 3.13.0-49-generic #83-Ubuntu SMP Fri Apr 10
     20:11:33 UTC 2015 x86_64 x86_64 x86_64 GNU/Linux

  run-level 2 Apr 22 19:56

  SPEC is set to: /home/blesson/cpu200
     Filesystem      Type   Size   Used Avail Use% Mounted on
     /dev/sda10      ext4   83G   5.7G   73G   8% /home

  (End of data from sysinfo program)
```

Base Compiler Invocation

C benchmarks:
    /usr/bin/gcc

C++ benchmarks:
    /usr/bin/g++

Base Portability Flags

    400.perlbench: -DSPEC_CPU_LP64 -DSPEC_CPU_LINUX_X64
        401.bzip2: -DSPEC_CPU_LP64
         403.gcc: -DSPEC_CPU_LP64

Continued on next page

SPEC CINT2006 Result
Copyright 2006-2015 Standard Performance Evaluation Corporation

Dell
(Test Sponsor: NIT Calicut)

Inspiron 7420

SPECint2006 =   27.1

SPECint_base2006 =   27.1

CPU2006 license: 3220	**Test date:** Apr-2015
Test sponsor: NIT Calicut	**Hardware Availability:** Apr-2015
Tested by: Rony, Blesson, Niranjan	**Software Availability:** Apr-2015

Base Portability Flags (Continued)

```
        429.mcf: -DSPEC_CPU_LP64
      445.gobmk: -DSPEC_CPU_LP64
      456.hmmer: -DSPEC_CPU_LP64
       458.sjeng: -DSPEC_CPU_LP64
   462.libquantum: -DSPEC_CPU_LP64  -DSPEC_CPU_LINUX
     464.h264ref: -DSPEC_CPU_LP64
     471.omnetpp: -DSPEC_CPU_LP64
       473.astar: -DSPEC_CPU_LP64
   483.xalancbmk: -DSPEC_CPU_LP64  -DSPEC_CPU_LINUX
```

Base Optimization Flags

C benchmarks:
```
    -O2 -fno-strict-aliasing
```

C++ benchmarks:
```
    -O2 -fno-strict-aliasing
```

Peak Optimization Flags

C benchmarks:

```
    400.perlbench: basepeak = yes

       401.bzip2: basepeak = yes

         403.gcc: basepeak = yes

         429.mcf: basepeak = yes

      445.gobmk: basepeak = yes

      456.hmmer: basepeak = yes

       458.sjeng: basepeak = yes

   462.libquantum: basepeak = yes

     464.h264ref: basepeak = yes
```

C++ benchmarks:

```
     471.omnetpp: basepeak = yes

       473.astar: basepeak = yes
```

SPEC CINT2006 Result
Copyright 2006-2015 Standard Performance Evaluation Corporation

Dell
(Test Sponsor: NIT Calicut)

Inspiron 7420

SPECint2006 =	27.1
SPECint_base2006 =	27.1

CPU2006 license: 3220		**Test date:**	Apr-2015
Test sponsor:	NIT Calicut	**Hardware Availability:**	Apr-2015
Tested by:	Rony, Blesson, Niranjan	**Software Availability:**	Apr-2015

Peak Optimization Flags (Continued)

483.xalancbmk: basepeak = yes

For questions about this result, please contact the tester.
For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.2.
Report generated on Thu Apr 23 00:16:09 2015 by SPEC CPU2006 PS/PDF formatter v6401.