SPEC® CINT2006 Result
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System Vendor
(Test Sponsor: NIT Calicut)

Inspiron 7470

SPECint®2006 = 27.4

SPECint_base2006 = 27.4

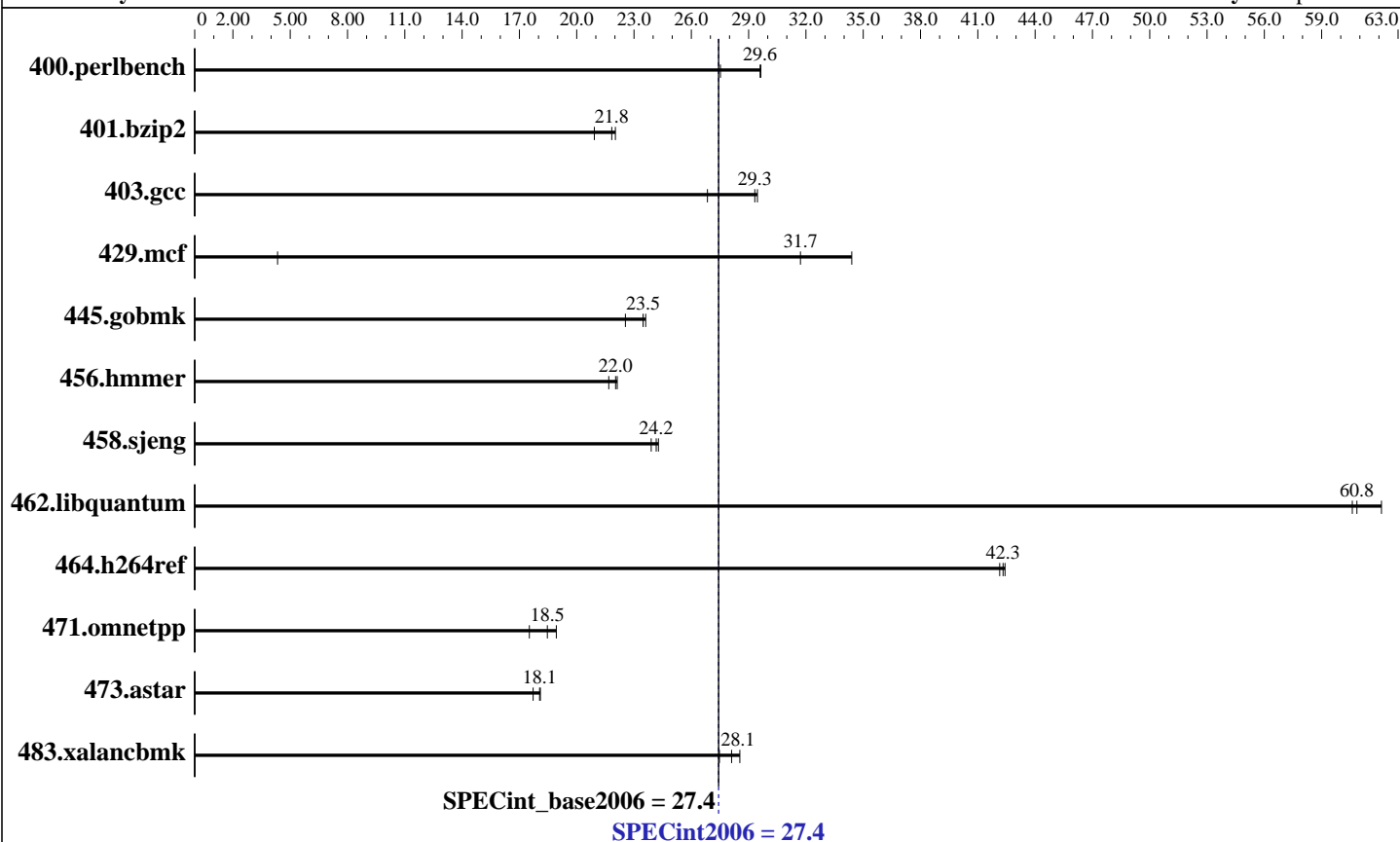|			
CPU2006 license: 3220		**Test date:**	Apr-2015
Test sponsor: NIT Calicut		**Hardware Availability:**	Apr-2015
Tested by: Intel i7		**Software Availability:**	Apr-2015

400.perlbench	29.6
401.bzip2	21.8
403.gcc	29.3
429.mcf	31.7
445.gobmk	23.5
456.hmmer	22.0
458.sjeng	24.2
462.libquantum	60.8
464.h264ref	42.3
471.omnetpp	18.5
473.astar	18.1
483.xalancbmk	28.1

SPECint_base2006 = 27.4
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Hardware

CPU Name:	Intel Core i7-3632QM
CPU Characteristics:	
CPU MHz:	2400
FPU:	Integrated
CPU(s) enabled:	2 cores, 1 chip, 1 core/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

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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	330	29.6	**330**	**29.6**	355	27.5	330	29.6	**330**	**29.6**	355	27.5
401.bzip2	**442**	**21.8**	438	22.0	461	20.9	**442**	**21.8**	438	22.0	461	20.9
403.gcc	273	29.5	**275**	**29.3**	300	26.8	273	29.5	**275**	**29.3**	300	26.8
429.mcf	**288**	**31.7**	265	34.4	2102	4.34	**288**	**31.7**	265	34.4	2102	4.34
445.gobmk	**447**	**23.5**	444	23.6	465	22.6	**447**	**23.5**	444	23.6	465	22.6
456.hmmer	**423**	**22.0**	422	22.1	430	21.7	**423**	**22.0**	422	22.1	430	21.7
458.sjeng	**501**	**24.2**	498	24.3	506	23.9	**501**	**24.2**	498	24.3	506	23.9
462.libquantum	**341**	**60.8**	333	62.1	342	60.6	**341**	**60.8**	333	62.1	342	60.6
464.h264ref	522	42.4	**523**	**42.3**	525	42.1	522	42.4	**523**	**42.3**	525	42.1
471.omnetpp	357	17.5	**339**	**18.5**	330	18.9	357	17.5	**339**	**18.5**	330	18.9
473.astar	**389**	**18.1**	388	18.1	396	17.7	**389**	**18.1**	388	18.1	396	17.7
483.xalancbmk	242	28.5	251	27.5	**245**	**28.1**	242	28.5	251	27.5	**245**	**28.1**

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 Tue Apr 21 09:38:43 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
```

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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 21 09:00

  SPEC is set to: /home/blesson/cpu200
    Filesystem      Type   Size   Used Avail Use% Mounted on
    /dev/sda10      ext4   83G   4.6G   74G   6% /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
```

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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
```

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Software Availability: Apr-2015

Peak Optimization Flags (Continued)

483.xalancbmk: `basepeak = yes`

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

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