SPEC® CINT2006 Result
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Dell
(Test Sponsor: NIT Calicut)

Inspiron 7420

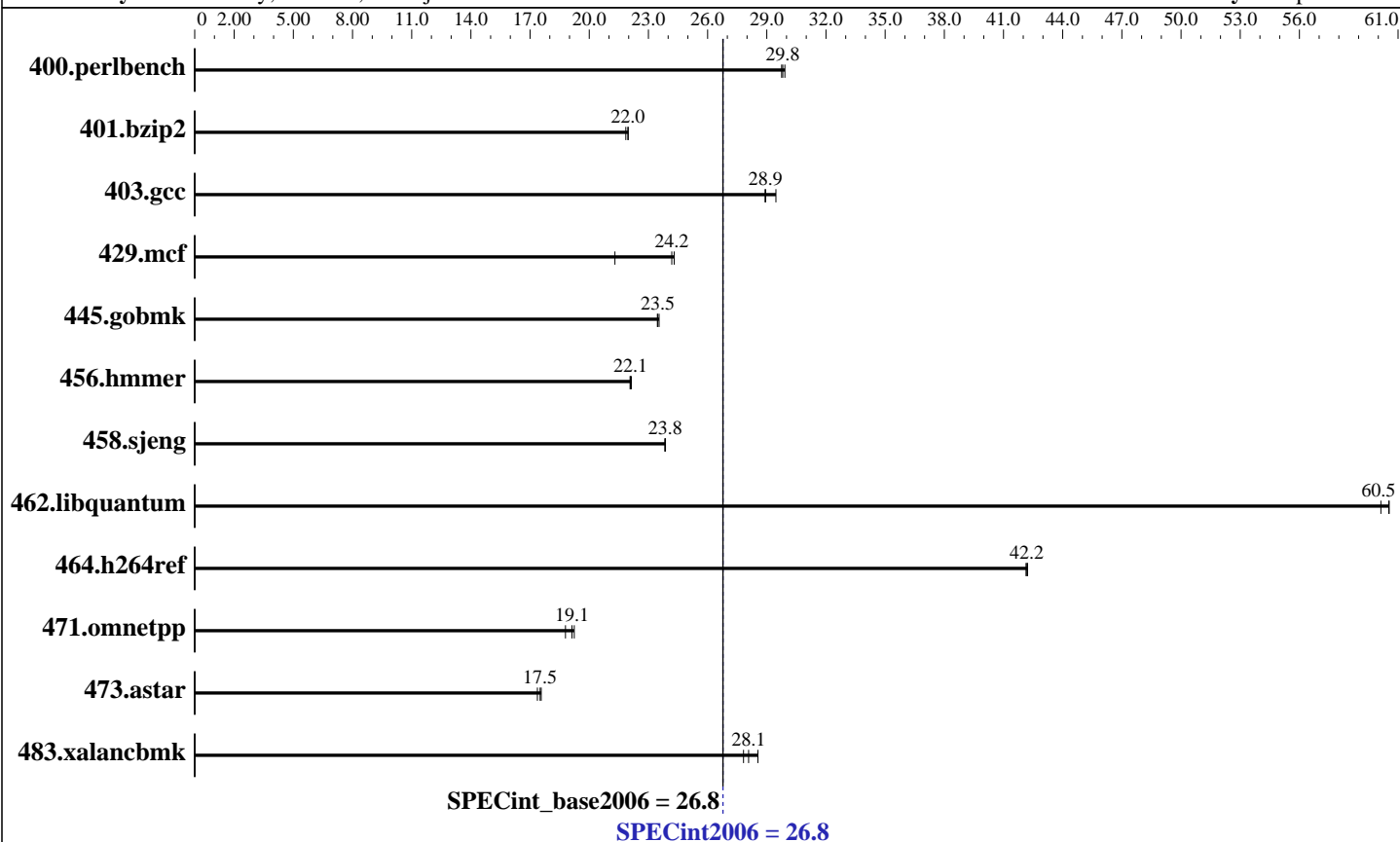SPECint®2006 =   26.8

SPECint_base2006 =   26.8

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

400.perlbench 29.8
401.bzip2 22.0
403.gcc 28.9
429.mcf 24.2
445.gobmk 23.5
456.hmmer 22.1
458.sjeng 23.8
462.libquantum 60.5
464.h264ref 42.2
471.omnetpp 19.1
473.astar 17.5
483.xalancbmk 28.1

SPECint_base2006 = 26.8
SPECint2006 = 26.8

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:	7.662 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 3.19.2
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	328	29.8	327	29.9	**328**	**29.8**	328	29.8	327	29.9	**328**	**29.8**
401.bzip2	442	21.9	**439**	**22.0**	439	22.0	442	21.9	**439**	**22.0**	439	22.0
403.gcc	278	28.9	**278**	**28.9**	273	29.5	278	28.9	**278**	**28.9**	273	29.5
429.mcf	428	21.3	**377**	**24.2**	375	24.3	428	21.3	**377**	**24.2**	375	24.3
445.gobmk	446	23.5	**447**	**23.5**	447	23.5	446	23.5	**447**	**23.5**	447	23.5
456.hmmer	421	22.1	**422**	**22.1**	423	22.1	421	22.1	**422**	**22.1**	423	22.1
458.sjeng	507	23.9	508	23.8	**507**	**23.8**	507	23.9	508	23.8	**507**	**23.8**
462.libquantum	342	60.6	**342**	**60.5**	345	60.1	342	60.6	**342**	**60.5**	345	60.1
464.h264ref	524	42.2	525	42.1	**525**	**42.2**	524	42.2	525	42.1	**525**	**42.2**
471.omnetpp	325	19.2	333	18.8	**327**	**19.1**	325	19.2	333	18.8	**327**	**19.1**
473.astar	400	17.6	**401**	**17.5**	404	17.4	400	17.6	**401**	**17.5**	404	17.4
483.xalancbmk	**246**	**28.1**	248	27.8	242	28.6	**246**	**28.1**	248	27.8	242	28.6

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 Thu Apr 23 04:57:58 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:        8034048 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 3.19.2 #1 SMP Thu Apr 23 01:33:12 IST 2015 x86_64
     x86_64 x86_64 GNU/Linux

  run-level 2 Apr 23 04:54

  SPEC is set to: /home/blesson/cpu200
     Filesystem     Type   Size  Used Avail Use% Mounted on
     /dev/sda10     ext4   83G   6.8G   72G   9% /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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Peak Optimization Flags (Continued)

483.xalancbmk: `basepeak = yes`

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For other inquiries, please contact webmaster@spec.org.

Tested with SPEC CPU2006 v1.2.
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