

SPEC® CINT2006 Result

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Dell

(Test Sponsor: NIT Calicut)

Inspiron 7420

SPECint®2006 = 26.6

SPECint_base2006 = 26.6

CPU2006 license: 3220

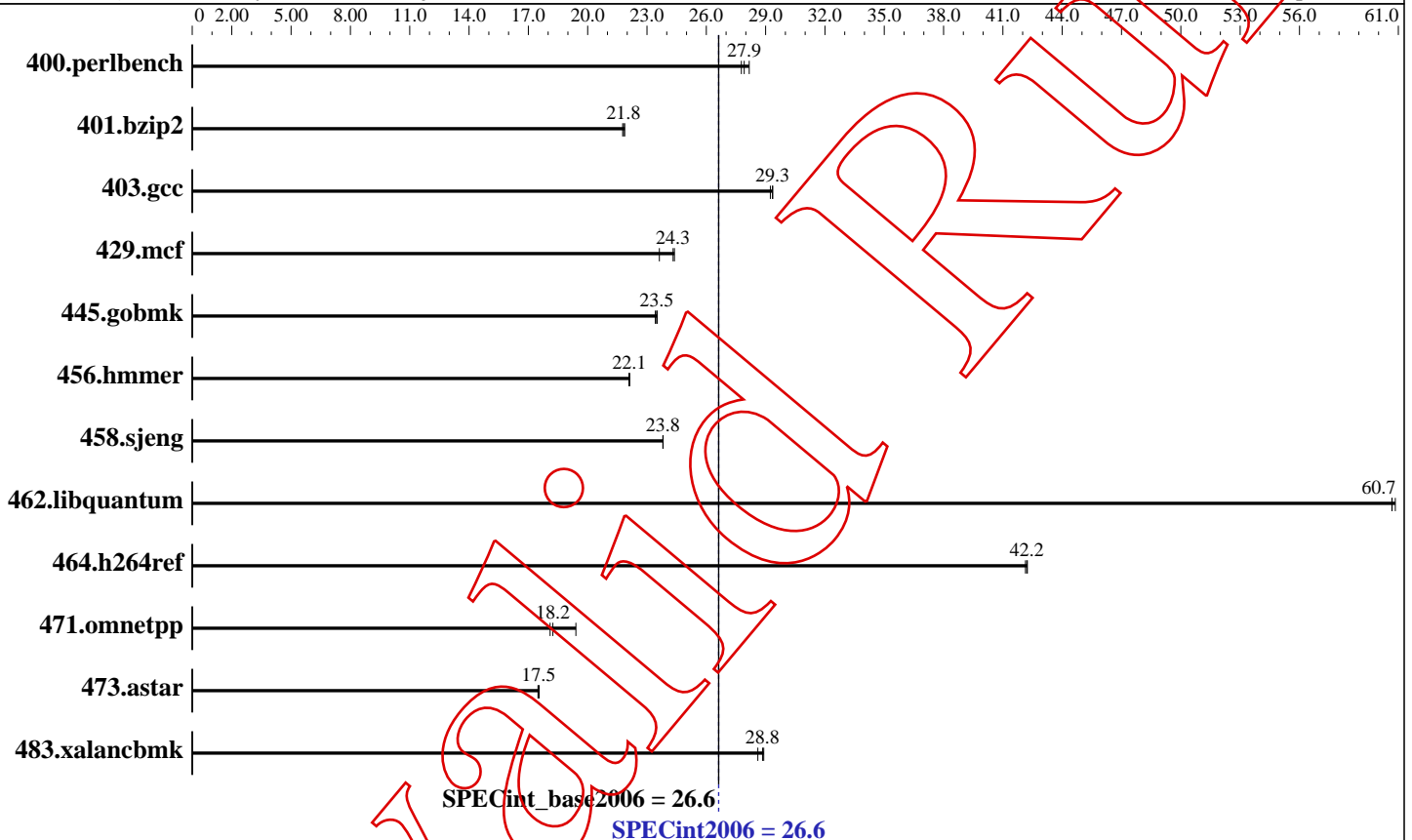
Test sponsor: NIT Calicut

Tested by: Rony, Blesson, Niranjan

Test date: Apr-2015

Hardware Availability: Apr-2015

Software Availability: Apr-2015



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:
'M 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-4.7, g++ & gfortran-4.8
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

Errors

Your run was marked invalid because it has one or more flags in the "unknown" category. You might be able to resolve this problem without re-running your test; see

Continued on next page

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Errors (Continued)

<http://www.spec.org/cpu2006/Docs/runspec.html#flagsurl>
for more information.

Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	352	27.8	347	28.2	<u>350</u>	<u>27.9</u>	352	27.8	347	28.2	<u>350</u>	<u>27.9</u>
401.bzip2	443	21.8	441	21.9	<u>442</u>	<u>21.8</u>	443	21.8	441	21.9	<u>442</u>	<u>21.8</u>
403.gcc	<u>274</u>	<u>29.3</u>	274	29.4	275	29.2	<u>274</u>	<u>29.3</u>	274	29.4	275	29.2
429.mcf	386	23.6	<u>375</u>	<u>24.3</u>	374	24.4	386	23.6	<u>375</u>	<u>24.3</u>	374	24.4
445.gobmk	<u>447</u>	<u>23.5</u>	446	23.5	448	23.4	<u>447</u>	<u>23.5</u>	446	23.5	448	23.4
456.hmmer	422	22.1	<u>422</u>	<u>22.1</u>	422	22.1	<u>422</u>	<u>22.1</u>	<u>422</u>	<u>22.1</u>	422	22.1
458.sjeng	508	23.8	508	23.8	<u>508</u>	<u>23.8</u>	508	23.8	508	23.8	<u>508</u>	<u>23.8</u>
462.libquantum	341	60.8	<u>341</u>	<u>60.7</u>	342	60.7	341	60.8	<u>341</u>	<u>60.7</u>	342	60.7
464.h264ref	525	42.1	524	42.2	<u>524</u>	<u>42.2</u>	525	42.1	524	42.2	<u>524</u>	<u>42.2</u>
471.omnetpp	322	19.4	<u>343</u>	<u>18.2</u>	345	18.1	322	19.4	<u>343</u>	<u>18.2</u>	345	18.1
473.astar	401	17.5	400	17.5	<u>401</u>	<u>17.5</u>	401	17.5	400	17.5	<u>401</u>	<u>17.5</u>
483.xalancbmk	239	28.9	241	28.6	<u>239</u>	<u>28.8</u>	239	28.9	241	28.6	<u>239</u>	<u>28.8</u>

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 30 03:35:04 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"

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Platform Notes (Continued)

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
cache size : 6144 KB
```

From /proc/meminfo

```
MemTotal:      8034044 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 30 03:24:20 IST 2015 x86_64
x86_64 x86_64 GNU/Linux
```

run-level 2 Apr 30 03:26

SPEC is set to: /home/blesson/cpu200

```
Filesystem      Type  Size  Used Avail Use% Mounted on
/dev/sda10      ext4   83G   9.5G   69G   13% /home
```

(End of data from sysinfo program)

Base Unknown Flags

400.perlbench: "-4.7" (in CC) "-4.7" (in LD)

401.bzip2: "-4.7" (in CC) "-4.7" (in LD)

403.gcc: "-4.7" (in CC) "-4.7" (in LD)

429.mcf: "-4.7" (in CC) "-4.7" (in LD)

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Base Unknown Flags (Continued)

445.gobmk: "-4.7" (in CC) "-4.7" (in LD)

456.hmmer: "-4.7" (in CC) "-4.7" (in LD)

458.sjeng: "-4.7" (in CC) "-4.7" (in LD)

462.libquantum: "-4.7" (in CC) "-4.7" (in LD)

464.h264ref: "-4.7" (in CC) "-4.7" (in LD)

Peak Unknown Flags

400.perlbench: "-4.7" (in CC) "-4.7" (in LD)

401.bzip2: "-4.7" (in CC) "-4.7" (in LD)

403.gcc: "-4.7" (in CC) "-4.7" (in LD)

429.mcf: "-4.7" (in CC) "-4.7" (in LD)

445.gobmk: "-4.7" (in CC) "-4.7" (in LD)

456.hmmer: "-4.7" (in CC) "-4.7" (in LD)

458.sjeng: "-4.7" (in CC) "-4.7" (in LD)

462.libquantum: "-4.7" (in CC) "-4.7" (in LD)

464.h264ref: "-4.7" (in CC) "-4.7" (in LD)

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 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 30 07:53:59 2015 by SPEC CPU2006 PS/PDF formatter v6401.