SPEC® CINT2006 Result
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YOYOtech
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SPECint®_rate2006 =   130

Fi7EPOWER MLK1610 (Intel Core i7-965)
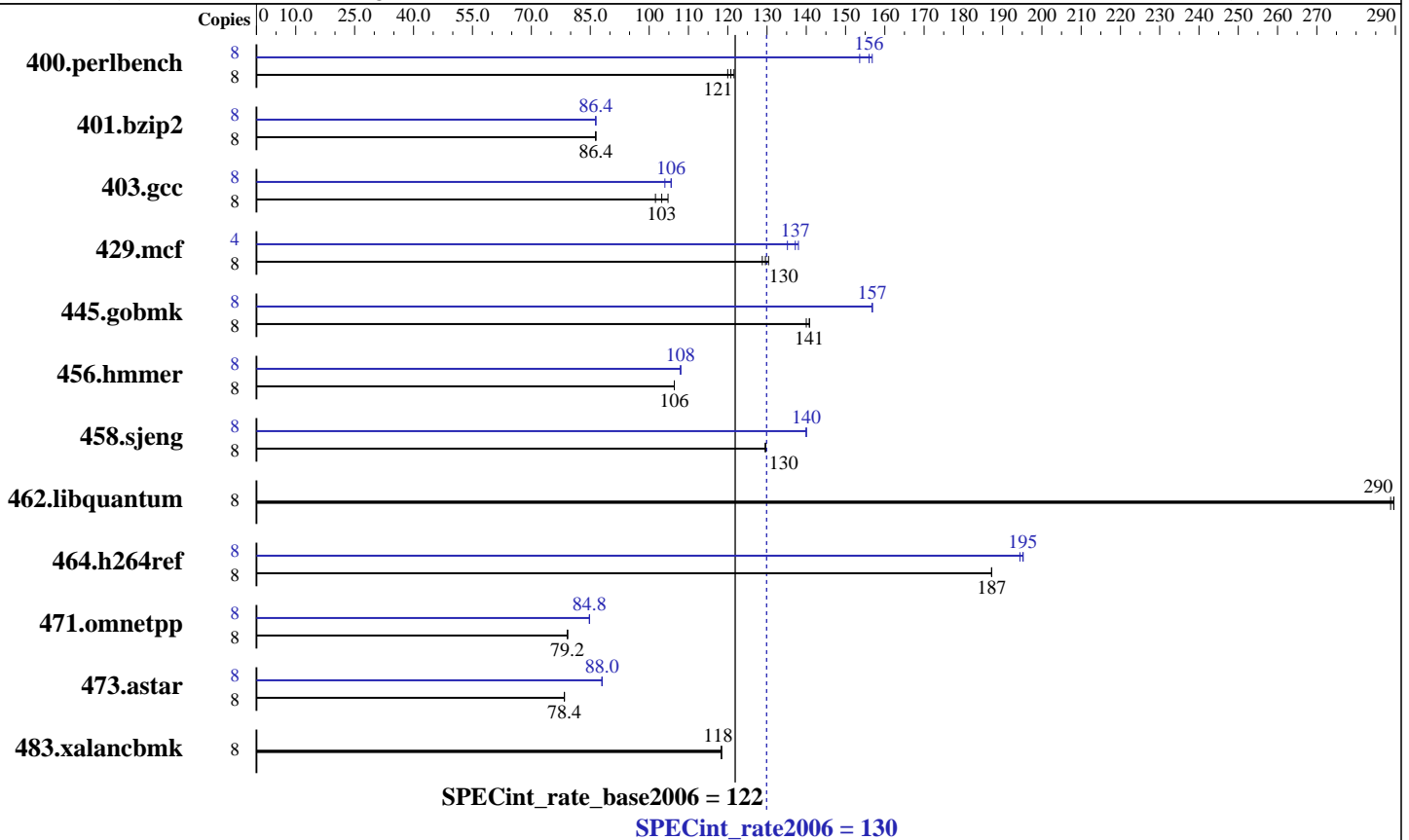
SPECint_rate_base2006 =   122

	Copies	
400.perlbench	8 / 8	156 / 121
401.bzip2	8 / 8	86.4 / 86.4
403.gcc	8 / 8	106 / 103
429.mcf	4 / 8	137 / 130
445.gobmk	8 / 8	157 / 141
456.hmmer	8 / 8	108 / 106
458.sjeng	8 / 8	140 / 130
462.libquantum	8	290
464.h264ref	8 / 8	195 / 187
471.omnetpp	8 / 8	84.8 / 79.2
473.astar	8 / 8	88.0 / 78.4
483.xalancbmk	8	118

SPECint_rate_base2006 = 122

SPECint_rate2006 = 130

Hardware

CPU Name:	Intel Core i7-965 Extreme Edition
CPU Characteristics:	Intel Turbo Boost Technology disabled, clocked at 3.73 GHz
CPU MHz:	3733
FPU:	Integrated
CPU(s) enabled:	4 cores, 1 chip, 4 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:	8 MB I+D on chip per chip
Other Cache:	None
Memory:	9 GB (3x 2GB and 3x 1GB Corsair DDR3-1066, 9-9-9-24)
Disk Subsystem:	80 GB SATA, SSD
Other Hardware:	None

Software

Operating System:	Windows Vista Ultimate w/ SP1 (64-bit)
Compiler:	Intel C++ Compiler Professional 11.0 for IA32 Build 20080930 Package ID: w_cproc_p_11.0.054 Microsoft Visual Studio 2008 (for libraries)
Auto Parallel:	No
File System:	NTFS
System State:	Default
Base Pointers:	32-bit
Peak Pointers:	32-bit
Other Software:	SmartHeap Library Version 8.1 from http://www.microquill.com/

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CPU2006 license: 3772
Test sponsor: Future Publishing Ltd.
Tested by: Future Publishing Ltd.

Test date: Oct-2008
Hardware Availability: Nov-2008
Software Availability: Nov-2008

Results Table

Benchmark	Base						Peak						
	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Copies	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
400.perlbench	8	650	120	641	122	**648**	**121**	8	508	154	500	157	**501**	**156**
401.bzip2	8	**896**	**86.4**	890	86.4	896	86.4	8	**897**	**86.4**	897	86.4	897	86.4
403.gcc	8	615	105	**622**	**103**	636	102	8	621	104	**611**	**106**	610	106
429.mcf	8	559	130	565	129	**563**	**130**	4	**266**	**137**	270	135	265	138
445.gobmk	8	595	141	599	140	**597**	**141**	8	535	157	534	157	**534**	**157**
456.hmmer	8	**699**	**106**	699	106	699	106	8	689	108	**690**	**108**	690	108
458.sjeng	8	747	130	748	130	**747**	**130**	8	690	140	**691**	**140**	691	140
462.libquantum	8	572	290	573	289	**573**	**290**	8	572	290	573	289	**573**	**290**
464.h264ref	8	**948**	**187**	947	187	948	187	8	907	195	911	194	**908**	**195**
471.omnetpp	8	630	79.2	629	79.2	**630**	**79.2**	8	589	84.8	**589**	**84.8**	589	84.8
473.astar	8	715	78.4	**714**	**78.4**	714	78.4	8	639	88.0	**640**	**88.0**	640	88.0
483.xalancbmk	8	**465**	**118**	465	118	465	118	8	**465**	**118**	465	118	465	118

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

Submit Notes

The config file option 'submit' was used.

General Notes

System was configured with HIS Radeon HD 4870 X2 discrete graphics card
Binaries were built on Windows Vista Ultimate (32-bit)

Base Compiler Invocation

C benchmarks:
    icl -Qvc9 -Qc99

C++ benchmarks:
    icl -Qvc9

Base Portability Flags

        403.gcc: -DSPEC_CPU_WIN32
     464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
    483.xalancbmk: -Qoption,cpp,--no_wchar_t_keyword

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Base Optimization Flags

C benchmarks:
```
-QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch /F512000000
```

C++ benchmarks:
```
-QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qcxx-features
/F512000000 shlw32m.lib          -link /FORCE:MULTIPLE
```

Base Other Flags

C benchmarks:

```
403.gcc: -Dalloca=_alloca
```

Peak Compiler Invocation

C benchmarks:
```
icl -Qvc9 -Qc99
```

C++ benchmarks:
```
icl -Qvc9
```

Peak Portability Flags

```
403.gcc: -DSPEC_CPU_WIN32
464.h264ref: -DSPEC_CPU_NO_INTTYPES -DWIN32
483.xalancbmk: -Qoption,cpp,--no_wchar_t_keyword
```

Peak Optimization Flags

C benchmarks:

```
400.perlbench: -QxSSE4.2(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
               -Qipo -O3 -Qprec-div- -Qansi-alias -Qopt-prefetch
               /F512000000 shlw32m.lib          -link /FORCE:MULTIPLE

   401.bzip2: -QxSSE4.2(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
              -Qipo -O3 -Qprec-div- -Qopt-prefetch -Qansi-alias
              /F512000000

     403.gcc: -QxSSE4.2(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
              -Qipo -O3 -Qprec-div- -Qopt-prefetch /F512000000
```

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Peak Optimization Flags (Continued)

```
   429.mcf: -QxSSE4.2 -Qipo -O3 -Qprec-div- -Qopt-prefetch
            /F512000000

 445.gobmk: -QxSSE4.2(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
            -Qipo -O2 -Qprec-div- -Qansi-alias /F512000000

 456.hmmer: -QxSSE4.2 -Qipo -O3 -Qprec-div- -Qunroll2 -Qansi-alias
            /F512000000

 458.sjeng: -QxSSE4.2(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
            -Qipo -O3 -Qprec-div- -Qunroll4 /F512000000

462.libquantum: basepeak = yes

464.h264ref: -QxSSE4.2(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
            -Qipo -O3 -Qprec-div- -Qunroll2 -Qansi-alias /F512000000
```

C++ benchmarks:

```
471.omnetpp: -QxSSE4.2(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
            -Qipo -O3 -Qprec-div- -Qansi-alias
            -Qopt-ra-region-strategy=block /F512000000 shlw32m.lib
                     -link /FORCE:MULTIPLE

  473.astar: -QxSSE4.2(pass 2) -Qprof_gen(pass 1) -Qprof_use(pass 2)
            -Qipo -O3 -Qprec-div- -Qansi-alias
            -Qopt-ra-region-strategy=routine /F512000000 shlw32m.lib
                     -link /FORCE:MULTIPLE

483.xalancbmk: basepeak = yes
```

Peak Other Flags

C benchmarks:

```
   403.gcc: -Dalloca=_alloca
```

The flags files that were used to format this result can be browsed at
http://www.spec.org/cpu2006/flags/Intel-ic11.0-win32-revA.20090713.html
http://www.spec.org/cpu2006/flags/Intel-Win32-Platform.html

You can also download the XML flags sources by saving the following links:
http://www.spec.org/cpu2006/flags/Intel-ic11.0-win32-revA.20090713.xml
http://www.spec.org/cpu2006/flags/Intel-Win32-Platform.xml

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