CINT2000 Result

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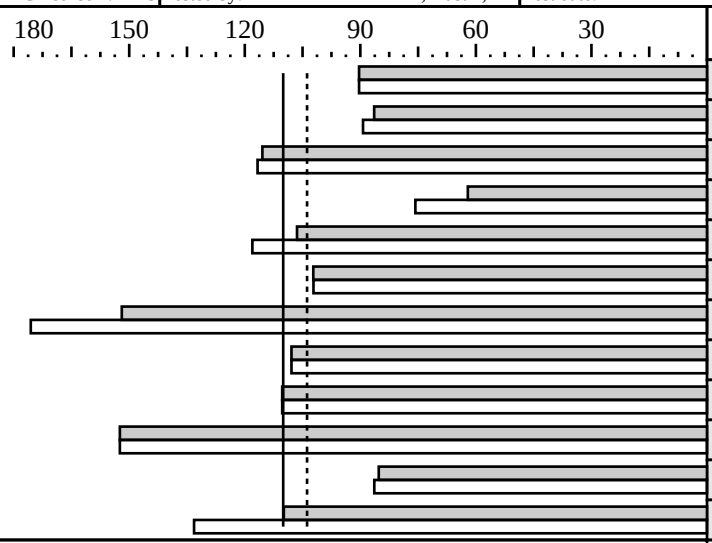
Advanced Micro Devices

Pogo Linux PerformanceWare 3566, AMD Opteron (TM) 865

SPECint_rate2000 = 110

SPECint_rate_base2000 = 104

SPEC license #: 49 | Tested by: AMD, Austin, TX | Test date: Apr-2005 | Hardware Avail: May-2005 | Software Avail: May-2005



Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	8	144	90.3	8	144	90.3
175.vpr	8	150	86.4	8	145	89.3
176.gcc	8	88.4	115	8	87.5	117
181.mcf	8	269	62.1	8	221	75.7
186.crafty	8	87.2	106	8	78.6	118
197.parser	8	163	102	8	164	102
252.eon	8	79.4	152	8	68.7	176
253.perlbmk	8	155	108	8	155	108
254.gap	8	92.6	110	8	92.6	110
255.vortex	8	116	152	8	116	152
256.bzip2	8	163	85.2	8	161	86.4
300.twolf	8	253	110	8	209	133

Hardware

CPU:	AMD Opteron (TM) 865
CPU MHz:	1800
FPU:	Integrated
CPU(s) enabled:	8 cores, 4 chips, 2 cores/chip
CPU(s) orderable:	1-4
Parallel:	No
Primary Cache:	64KBI + 64KBD/core
Secondary Cache:	1024KB (I+D)/core
L3 Cache:	N/A
Other Cache:	N/A
Memory:	16x1024 MB PC3200 CL3.0 ECC Reg
Disk Subsystem:	SCSI, Seagate Cheetah Ultra320 ST373307LC, 10000 RPM
Other Hardware:	None

Software

Operating System:	Microsoft Windows Server 2003 Enterprise Edition SP1
Compiler:	Intel C++ 8.0 build 20040714Z Microsoft Visual Studio .NET 7.0.9466 (libraries) MicroQuill Smartheap Library 7.0
File System:	NTFS
System State:	Default

Notes/Tuning Information

```
shlW32M7.lib is the SmartHeap library V7.0 from MicroQuill www.microquill.com
+FDO: PASS1=-Qprof_gen  PASS2=-Qprof_use
Portability:
  176.gcc:      -Dalloca=_alloca /F10000000
  186.crafty:   -DNT_i386
  253.perlbmk:  -DSPEC_CPU2000_NTOS -DPERLDLL /MT
  254.gap:      -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO
Baseline C:   -fast -arch:SSE2 -Oi- +FDO
Baseline C++: -fast -arch:SSE2 -GX -GR
Peak Tuning:
164.gzip:     basepeak=yes
175.vpr:      -fast -arch:SSE2 +FDO
              -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
176.gcc:      -fast -arch:SSE2 +FDO -Oi- -Qunroll3
181.mcf:      -fast -QaxN      +FDO
186.crafty:   -fast -arch:SSE2 +FDO
197.parser:         -arch:SSE2 +FDO -Oi- -Qipo
252.eon:      -fast -arch:SSE2 +FDO -Qansi_alias
             -Qoption,c,-ip_ninl_max_stats=2000,-ip_ninl_max_total_stats=4500
```

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Notes/Tuning Information (Continued)

```
 253.perlbmk:  basepeak=yes
 254.gap:      basepeak=yes
 255.vortex:   basepeak=yes
 255.vortex:   basepeak=yes
 256.bzip2:    -fast                       -Qunroll2
 300.twolf:    -fast -arch:SSE2 +FDO       -Qunroll3 shlW32M7.lib -Qansi_alias
Bios Rev 2.33.1.1
All memory slots populated on all CPU(s).
Physical Address Extension (PAE) enabled.
The start /b /wait /affinity command is used to bind CPU(s) to processes.
```