



CINT2000 Result

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Einix
A4800

SPECint_rate2000 = 10.8
SPECint_rate_base2000 = 10.2

SPEC license #: 49 | Tested by: AMD Austin TX | Test date: Apr-2003 | Hardware Avail: Jul-2003 | Software Avail: May-2003

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	1	183	8.87	1	177	9.16
175.vpr	1	182	8.95	1	180	9.03
176.gcc	1	120	10.7	1	107	11.9
181.mcf	1	321	6.50	1	292	7.15
186.crafty	1	104	11.1	1	105	11.1
197.parser	1	216	9.68	1	211	9.89
252.eon	1	131	11.6	1	110	13.7
253.perlbnk	1	195	10.7	1	179	11.6
254.gap	1	113	11.2	1	113	11.3
255.vortex	1	137	16.1	1	137	16.1
256.bzip2	1	191	9.11	1	180	9.64
300.twolf	1	328	10.6	1	289	12.0

Hardware

CPU: AMD Opteron 140, 1.4 GHz
CPU MHz: 1400
FPU: Integrated
CPU(s) enabled: 1 core, 1 chip, 1 core/chip
CPU(s) orderable: 1,2,4
Parallel: No
Primary Cache: 64KBI + 64KBD on chip
Secondary Cache: 1024KB(I+D) on chip
L3 Cache: N/A
Other Cache: N/A
Memory: 4x512MB PC2700 DDR ECC Reg SDRAM CL2.5
Disk Subsystem: IDE 7200 RPM
Other Hardware: None

Software

Operating System: Windows Server 2003 Enterprise Edition
Compiler: Intel C/C++ 7.0 build 20021212Z
Microsoft Visual Studio .NET (libraries)7.0.9466
MicroQuill SmartHeap Library 6.0
File System: NTFS
System State: Default

Notes/Tuning Information

shlw32M6.lib is the SmartHeap library V6.0 from MicroQuill www.microquill.com

+FD0: PASS1=-Qprof_gen PASS2=-Qprof_use

Portability:

176.gcc: -Dalloca=_alloca /F10000000
186.crafty: -DNT_i386
253.perlbnk: -DSPEC_CPU2000_NTOS -DPERLDDL /MT
254.gap: -DSYS_HAS_CALLOC_PROTO -DSYS_HAS_MALLOC_PROTO

Baseline C:

+FD0 -O3 -QxW -Qipo

Baseline C++:

+FD0 -Qipo -GX -GR

Peak tuning:

164.gzip: +FD0 -O3 -QaxK -Qipo -Oi-
175.vpr: +FD0 -O3 -QxW -Qipo
176.gcc: +FD0 -O3 -QxK -Qipo -Oi-
181.mcf: +FD0 -Qipo -Oa
186.crafty: +FD0 -O3 -QxW -Qipo
197.parser: +FD0 -O3 -QxW -Qipo -Oa
252.eon: +FD0 -O3 -QaxW -Qipo -Zp4
253.perlbnk: +FD0 -O3 -Qipo -Oa shlw32M6.lib
254.gap: +FD0 -O3 -QxW -Qipo
255.vortex: basepeak=1



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Notes/Tuning Information (Continued)

256.bzip2: +FD0 -Qipo -Oa -Qunroll1
300.twolf: +FD0 -Qxi -Qipo shlw32M6.lib
ONESTEP is used for all base and peak runs