



CINT2000 Result

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Einix
A4800

SPECint_rate2000 = 40.0
SPECint_rate_base2000 = 37.4

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	4	186	34.8	4	180	36.1
175.vpr	4	196	33.2	4	195	33.3
176.gcc	4	144	35.4	4	114	44.9
181.mcf	4	422	19.8	4	424	19.7
186.crafty	4	105	44.3	4	105	44.3
197.parser	4	236	35.5	4	234	35.6
252.eon	4	130	46.5	4	110	54.9
253.perlbnk	4	204	41.0	4	184	45.4
254.gap	4	126	40.4	4	125	40.8
255.vortex	4	150	58.7	4	150	58.7
256.bzip2	4	208	33.5	4	200	34.8
300.twolf	4	357	39.0	4	289	48.1

Hardware

CPU: AMD Opteron 840, 1.4 GHz
CPU MHz: 1400
FPU: Integrated
CPU(s) enabled: 4 cores, 4 chips, 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: 16x512MB PC2700 DDR ECC Registered 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