



CINT2000 Result

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Einix
A4800

SPECint_rate2000 = 21.2

SPECint_rate_base2000 = 20.0

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	2	184	17.6	2	178	18.3
175.vpr	2	182	17.8	2	182	17.9
176.gcc	2	129	19.7	2	108	23.5
181.mcf	2	330	12.7	2	331	12.6
186.crafty	2	104	22.2	2	104	22.2
197.parser	2	219	19.1	2	216	19.4
252.eon	2	130	23.2	2	110	27.4
253.perlbnk	2	197	21.2	2	180	23.2
254.gap	2	117	21.8	2	117	21.9
255.vortex	2	139	31.8	2	139	31.8
256.bzip2	2	192	18.1	2	185	18.9
300.twolf	2	344	20.2	2	289	24.1

Hardware

CPU: AMD Opteron 240, 1.4 GHz
 CPU MHz: 1400
 FPU: Integrated
 CPU(s) enabled: 2 cores, 2 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: 8x512MB 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 -DPERLDLL /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

Standard Performance Evaluation Corporation

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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