



CINT2000 Result

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Einix
A4800

SPECint2000 = 1170
SPECint_base2000 = 1095

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

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	
164.gzip	1400	143	977	139	1010	
175.vpr	1400	147	955	145	967	
176.gcc	1100	95.0	1158	84.8	1298	
181.mcf	1800	293	615	259	696	
186.crafty	1000	81.3	1230	81.3	1230	
197.parser	1800	172	1047	169	1067	
252.eon	1300	101	1282	85.8	1515	
253.perlbnk	1800	153	1174	141	1278	
254.gap	1100	89.8	1225	89.8	1225	
255.vortex	1900	109	1735	109	1735	
256.bzip2	1500	155	966	146	1030	
300.twolf	3000	266	1128	225	1333	

Hardware

CPU: AMD Opteron 144, 1.8 GHz
 CPU MHz: 1800
 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 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



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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