



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries x306m (3.2GHz Pentium D 940, 2x2MB L2 Cache)

SPECint2000 = 1609

SPECint_base2000 = 1601

SPEC license #: 11 Tested by: IBM Corporation Test date: Jan-2006 Hardware Avail: Jan-2006 Software Avail: Nov-2005

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio	1000 2000 3000 4000			
164.gzip	1400	129	1081	128	1092	[Bar chart showing ratio]			
175.vpr	1400	128	1091	125	1120	[Bar chart showing ratio]			
176.gcc	1100	57.0	1930	57.0	1930	[Bar chart showing ratio]			
181.mcf	1800	87.9	2048	88.0	2046	[Bar chart showing ratio]			
186.crafty	1000	84.0	1190	83.6	1196	[Bar chart showing ratio]			
197.parser	1800	133	1355	132	1360	[Bar chart showing ratio]			
252.eon	1300	64.6	2012	64.5	2017	[Bar chart showing ratio]			
253.perlbmk	1800	91.6	1964	92.2	1952	[Bar chart showing ratio]			
254.gap	1100	63.3	1737	61.8	1781	[Bar chart showing ratio]			
255.vortex	1900	69.4	2736	69.4	2737	[Bar chart showing ratio]			
256.bzip2	1500	122	1226	122	1229	[Bar chart showing ratio]			
300.twolf	3000	184	1633	185	1625	[Bar chart showing ratio]			

Hardware

CPU: Intel Pentium D 940 (800 MHz system bus)
 CPU MHz: 3200
 FPU: Integrated
 CPU(s) enabled: 2 cores, 1 chip, 2 cores/chip
 CPU(s) orderable: 1
 Parallel: No
 Primary Cache: 12K(I) micro-ops + 16KB(D) (on chip) per core
 Secondary Cache: 2048KB(I+D) (on chip) per core
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 4 x 1024 MB ECC PC2-4200 Single Rank
 Disk Subsystem: 80GB SATA 10K RPM
 Other Hardware:

Software

Operating System: Windows Server 2003 Standard Edition
 Compiler: Intel C/C++ Compiler 9.0 (20051130Z) for 32-bit applications
 Intel Fortran Compiler 9.0 (20051130Z) for 32-bit applications
 Microsoft Visual Studio .NET 13.0.9466 (for libraries)
 MicroQuill Smartheap Library 7.30
 File System: NTFS
 System State: Default

Notes/Tuning Information

GENERAL

ONESTEP=yes
 +FDO: PASS1=-Qprof_gen PASS2=-Qprof_use

PORTABILITY FLAGS

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

BASE TUNING

C: -fast -Qansi_alias +FDO shlw32M.lib
 C++: -fast -Qcxx_features +FDO

PEAK TUNING

164.gzip: -fast +FDO
 175.vpr: -fast +FDO
 176.gcc: basepeak=yes
 181.mcf: -fast +FDO shlw32M.lib
 186.crafty: -fast -Oa +FDO shlw32M.lib
 197.parser: -fast +FDO
 252.eon: -fast +FDO
 253.perlbmk: -fast -Oa +FDO shlw32M.lib



CINT2000 Result

Copyright ©1999-2005, Standard Performance Evaluation Corporation

IBM Corporation

IBM eServer xSeries x306m (3.2GHz Pentium D 940, 2x2MB L2 Cache)

SPECint2000 = 1609

SPECint_base2000 = 1601

SPEC license #: 11 | Tested by: IBM Corporation | Test date: Jan-2006 | Hardware Avail: Jan-2006 | Software Avail: Nov-2005

Notes/Tuning Information (Continued)

254.gap: -fast +FDO
255.vortex -fast +FDO shlw32M.lib
256.bzip2: -fast -Qunroll11 -Oa +FDO shlw32M.lib
300.twolf: -fast +FDO shlw32M.lib
EXTRA LIBRARIES
shlw32M.lib: MicroQuill SmartHeap Library 7.3
www.microquill.com