



# CINT2000 Result

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## Apple Computer, Inc.

Xserve (3000 MHz Intel Dual-Core Xeon, 1333 MHz Bus)

SPECint\_rate2000 = --

SPECint\_rate\_base2000 = 112

SPEC license #: 77 Tested by: Apple Computer, Inc. Test date: Nov-2006 Hardware Avail: Nov-2006 Software Avail: Nov-2006

Benchmark	Base Copies	Base Runtime	Base Ratio	Copies	Runtime	Ratio
164.gzip	4	80.9	80.3			
175.vpr	4	82.7	78.6			
176.gcc	4	43.9	116			
181.mcf	4	98.3	85.0			
186.crafty	4	35.9	129			
197.parser	4	94.1	88.7			
252.eon	4	42.6	142			
253.perlbnk	4	56.6	148			
254.gap	4	44.9	114			
255.vortex	4	47.9	184			
256.bzip2	4	82.9	84.0			
300.twolf	4	91.3	152			

### Hardware

CPU: Intel Dual-Core Xeon 5160  
 CPU MHz: 3000  
 FPU: Integrated  
 CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
 CPU(s) orderable: 2  
 Parallel: No  
 Primary Cache: 32 KB I + 32 KB D on chip per core  
 Secondary Cache: 4 MB I+D on chip per chip (shared)  
 L3 Cache: N/A  
 Other Cache: N/A  
 Memory: 4 GB (4x1GB FB-DIMM DDR2 667 MHz)  
 Disk Subsystem: 80 GB SATA  
 Other Hardware:

### Software

Operating System: Mac OS X 10.4.8 (8L2127)  
 Compiler: Intel C++ Compiler for Mac OS X  
 Version 9.1, Build 20060928 (032)  
 File System: Journaled HFS+  
 System State: Default

## Notes/Tuning Information

+FDO: PASS1=-prof\_gen PASS2=-prof\_use

Base tuning for C programs: -fast +FDO -lstmalloc

Base tuning for C++ programs: -fast +FDO -lstmalloc

### Portability flags:

176.gcc: -DHOST\_WORDS\_LITTLE\_ENDIAN  
 186.crafty: -DLINUX\_i386  
 197.parser: -D\_POSIX\_SOURCE  
 252.eon: -DHAS\_ERRLIST -DFMAX\_IS\_DOUBLE  
 253.perlbnk: -DSPEC\_CPU2000\_MACOSX\_IA32  
 254.gap: -DSYS\_IS\_BSD -DSYS\_HAS\_IOCTL\_PROTO -DSYS\_HAS\_TIME\_PROTO  
 -DSYS\_HAS\_SIGNAL\_PROTO -DSYS\_HAS\_ANSI -DSYS\_HAS\_CALLOC\_PROTO  
 -DSYS\_HAS\_STDIO\_PROTO

Boot ROM Version: XS11.0076.B00

SMC Version: 1.11f4

### Memory Details:

BRANCH 0 CHANNEL 0/DIMM 1: 1 GB DDR2 FB-DIMM 667 MHz



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## Notes/Tuning Information (Continued)

BRANCH 0 CHANNEL 1/DIMM 2: 1 GB DDR2 FB-DIMM 667 MHz  
BRANCH 1 CHANNEL 0/DIMM 3: 1 GB DDR2 FB-DIMM 667 MHz  
BRANCH 1 CHANNEL 1/DIMM 4: 1 GB DDR2 FB-DIMM 667 MHz