



OMPM2001 Result

Copyright ©1999-2007, Standard Performance Evaluation Corporation

Colfax Intel S5000PAL Server Board

SPECompMpeak2001 = --
SPECompMbase2001 = 12208

SPEC license #HPG0017 | Tested by: Advanced Micro Devices | Test site: -- | Test date: Mar-2007 | Hardware AvailMar-2007 | Software AvailMar-2007

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio	
310.wupwise_m	6000	416	14427			
312.swim_m	6000	812	7388			
314.mgrid_m	7300	1058	6898			
316.applu_m	4000	439	9117			
318.galgel_m	5100	405	12601			
320.earthquake_m	2600	238	10940			
324.apsi_m	3400	189	18002			
326.gafort_m	8700	613	14190			
328.fma3d_m	4600	438	10493			
330.art_m	6400	231	27701			
332.ammp_m	7000	535	13085			

Hardware

CPU: Quad-Core Intel(R) Xeon(R) Processor X5355
 CPU MHz: 2660
 FPU: Integrated
 CPU(s) enabled: 8 cores, 2 chips, 4 cores/chip
 CPU(s) orderable: 1,2 chips
 Primary Cache: 32KB(I)+32KB(D)/core on chip
 Secondary Cache: 8192KB/chip (I+D) on chip, 4 MB shared / 2 cores
 L3 Cache: N/A
 Other Cache: N/A
 Memory: 8x2GB PC2-5300 FBDIMM (CL5)
 Disk Subsystem: Hitachi Deskstar 80GB 7200 rpm SATA
 Other Hardware:

Software

OpenMP Threads: 8
 Parallel: OpenMP
 Operating System: SLES 10 (2.6.16.21-0.8-smp)
 Compiler: Intel(R) C Compiler for Intel(R) EM64T-based applications, Version 9.1 Build 20070109
 Intel(R) Fortran Compiler for Intel(R) EM64T-based applications, Version 9.1 Build 20070109
 GNU C Compiler (4.1.0)
 File System: Linux ext3
 System State: Default

Notes/Tuning Information

Baseline optimization flags:
 COPTIMIZE = -O2 -xT -ipo -openmp -ansi_alias
 FOPTIMIZE = -O2 -xT -ipo -openmp
 export KMP_AFFINITY=compact,0
 export KMP_LIBRARY=turnaround
 export KMP_STACKSIZE=31M
 export OMP_DYNAMIC=FALSE
 ONESTEP=yes
 ulimit -s 64000
 "powersave -f" used to set speed to maximum
 BIOS version S5000.86B.06.00.0074
 Adjacent Line Prefetch disabled in BIOS
 HiBW FSB option enabled in BIOS
 Portability Flags:
 318.galgel_m: -FI -132
 Extra Flags:
 330.art_m: -DINTS_PER_CACHELINE=32 -DDBLS_PER_CACHELINE=16
 all: -gcc-name=/usr/bin/gcc
 For flag definitions see flags file AMD-20070409-Linux-Intel9.1-Intel64.txt