OMPM2001 Result

Copyright ©1999-2008, Standard Performance Evaluation Corporation

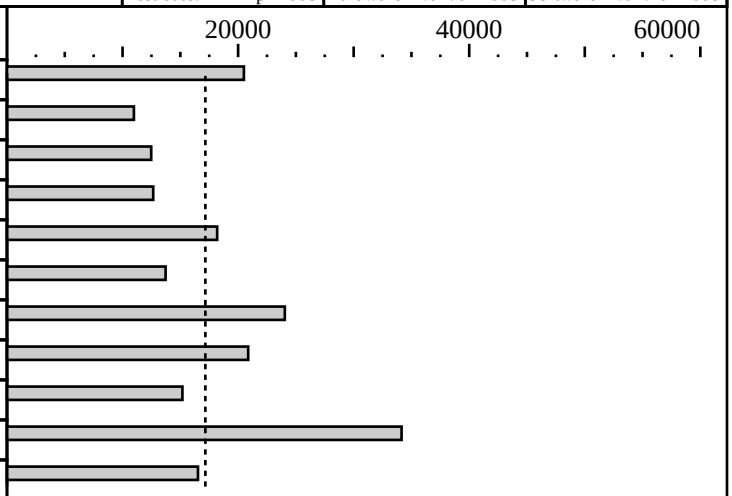
SGI
SGI Altix ICE 8200EX

SPECompMpeak2001 = --

SPECompMbase2001 = 17166

SPEC license #:	HPG0037A	Tested by:	Matthias Jurenz	Test site:	--	Test date:	Apr-2008	Hardware Avail:	Mar-2008	Software Avail:	Mar-2008

Benchmark	Reference Time	Base Runtime	Base Ratio	Peak Runtime	Peak Ratio
310.wupwise_m	6000	293	20501		
312.swim_m	6000	546	10983		
314.mgrid_m	7300	585	12479		
316.applu_m	4000	316	12653		
318.galgel_m	5100	280	18188		
320.equake_m	2600	189	13724		
324.apsi_m	3400	141	24042		
326.gafort_m	8700	417	20872		
328.fma3d_m	4600	303	15180		
330.art_m	6400	187	34146		
332.ammp_m	7000	424	16527		



Hardware

CPU:	Quad-Core Intel(R) Xeon(R) Processor X5472
CPU MHz:	3000
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:	12 MB I+D on chip per chip, 6 MB shared / 2 cores
L3 Cache:	None
Other Cache:	None
Memory:	16 GB (8*2GB PC2-6400 CL5-5-5 FB-DIMMs)
Disk Subsystem:	None
Other Hardware:	None

Software

OpenMP Threads:	8
Parallel:	OpenMP
Operating System:	SLES10 SP1
Compiler:	Intel C/C++ Compiler 10.1 (Build 20080112) Intel Fortran Compiler 10.1 (Build 20080112)
File System:	NFS (v3)
System State:	Multi-user

Notes/Tuning Information

```
Tested by ZIH
    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

    Baseline optimization flags:
        COPTIMIZE = -O2 -xT -ipo -openmp -ansi_alias
        FOPTIMIZE = -O2 -xT -ipo -openmp
    Environment:
        export KMP_AFFINITY=compact,0
        export KMP_LIBRARY=turnaround
        export KMP_STACKSIZE=31M
        export OMP_DYNAMIC=FALSE
        ONESTEP=yes
        ulimit -s unlimited

    BIOS Version: 1.00
    Flag file: TU-Dresden-ic10.1-intel64-linux-flags-file-20080603.html
```