SPEC® CFP2006 Result
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Tyan

Tyan Thunder KKQS Pro (S4882)

SPECfp®2006 =   Not Run

SPECfp_base2006 =   0.00

| CPU2006 license #: | 9999 | Test sponsor: | | Turbo Computers | Test date: | Dec-9999 | Hardware Availability: | Dec-9999 | Software Availability: | Dec-9999 |

0 5000   15000   25000   35000   45000   55000   65000   75000   85000   95000   105000   115000   125000   135000   145000   165000

Benchmark	Value
410.bwaves	49.3
416.gamess	
433.milc	32.1
434.zeusmp	44.3
435.gromacs	23.4
436.cactusADM	
437.leslie3d	68.5
444.namd	24.0
447.dealII	49.6
450.soplex	
453.povray	
454.calculix	13.1
459.GemsFDTD	32.8
465.tonto	24.6
470.lbm	57.0
481.wrf	53.5
482.sphinx3	58.9

Hardware

CPU Name:	AMD Opteron 256
CPU Characteristics:	
CPU MHz:	3000
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1 chip
Primary Cache:	64 KB I + 64 KB D on chip per chip
Secondary Cache:	1 MB I+D on chip per chip
L3 Cache:	None
Other Cache:	None
Memory:	2 GB (2 x 1GB DDR333 CL2.5)

Software

Operating System:	SUSE SLES9 (for AMD64)
Compiler:	gcc , g++ & gfortran 4.2.0325 (for AMD64)
Auto Parallel:	No
File System:	ext3
System State:	runlevel 3
Base Pointers:	64-bit
Peak Pointers:	Not Applicable
Other Software:	None

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Hardware (Continued)

Disk Subsystem: SATA
Other Hardware: --

Errors

'reportable' flag not set during run
450.soplex base did not have enough runs!
Unknown flags were used! See
    http://www.spec.org/auto/cpu2006/Docs/runspec.html#flagsurl
for information about how to get rid of this error.

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Results Table

Benchmark	Base						Peak					
	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio	Seconds	Ratio
410.bwaves	**275**	**49.3**	276	49.3	273	49.9						
416.gamess	332	59.0	332	59.0	332	59.0						
433.milc	286	32.1	287	32.0	**286**	**32.1**						
434.zeusmp	205	44.3	**205**	**44.3**	205	44.5						
435.gromacs	**305**	**23.4**	304	23.5	306	23.4						
436.cactusADM	0.0740	62000	0.0752	59000	0.0747	60000						
437.leslie3d	**137**	**68.5**	137	68.5	138	68.2						
444.namd	335	24.0	335	24.0	**335**	**24.0**						
447.dealII	231	49.6	**231**	**49.6**	232	49.3						
450.soplex	0.00	0.00										
453.povray	142	37.4	144	37.1	143	37.3						
454.calculix	629	13.1	631	13.1	**630**	**13.1**						
459.GemsFDTD	323	32.9	**323**	**32.8**	323	32.8						
465.tonto	400	24.6	401	24.6	**401**	**24.6**						
470.lbm	241	57.0	**241**	**57.0**	241	57.0						
481.wrf	**209**	**53.5**	209	53.4	209	53.6						
482.sphinx3	328	59.4	**331**	**58.9**	333	58.5						

Results appear in the order in which they were run. Bold underlined text indicates a median measurement.

General Notes

```
PORTABILITY=-DSPEC_CPU_LP64 is applied to all benchmarks in base.
C base flags: -O3 -march=native -m32
C++ base flags: -O3 -march=native -m32 -fpermissive -Wdeprecated -Wdeprecated-declarations
Fortran base flags: -O3 -march=native -m32 -std=legacy
```

Base Unknown Flags

410.bwaves: "/usr/bin/gfortran" (in FC) "/usr/bin/gfortran" (in LD)
      "-O3 -march=native -m32 -std=legacy" (in FOPTIMIZE)

416.gamess: "/usr/bin/gfortran" (in FC) "/usr/bin/gfortran" (in LD)
      "-O3 -march=native -m32 -std=legacy" (in FOPTIMIZE)

433.milc: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)
      "-O3 -march=native -m32" (in COPTIMIZE)

434.zeusmp: "/usr/bin/gfortran" (in FC) "/usr/bin/gfortran" (in LD)
      "-O3 -march=native -m32 -std=legacy" (in FOPTIMIZE)

435.gromacs: "/usr/bin/gfortran" (in FC) "/usr/bin/gcc" (in CC)
      "/usr/bin/gfortran" (in LD)
      "-O3 -march=native -m32 -std=legacy" (in FOPTIMIZE)

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Base Unknown Flags (Continued)

435.gromacs (continued):
```
"-O3 -march=native -m32" (in COPTIMIZE)
```

436.cactusADM: "/usr/bin/gfortran" (in FC) "/usr/bin/gcc" (in CC)
```
"/usr/bin/gfortran" (in LD)
"-O3 -march=native -m32 -std=legacy" (in FOPTIMIZE)
"-O3 -march=native -m32" (in COPTIMIZE)
```

437.leslie3d: "/usr/bin/gfortran" (in FC) "/usr/bin/gfortran" (in LD)
```
"-O3 -march=native -m32 -std=legacy" (in FOPTIMIZE)
```

444.namd: "/usr/bin/g++" (in CXX) "/usr/bin/g++" (in LD)
```
"-O3 -march=native -m32 -fpermissive -Wdeprecated
-Wdeprecated-declarations" (in CXXOPTIMIZE)
```

447.dealII: "/usr/bin/g++" (in CXX) "/usr/bin/g++" (in LD)
```
"-include cstring" (in CXXPORTABILITY)
"-O3 -march=native -m32 -fpermissive -Wdeprecated
-Wdeprecated-declarations" (in CXXOPTIMIZE)
```

453.povray: "/usr/bin/g++" (in CXX) "/usr/bin/g++" (in LD)
```
"-O3 -march=native -m32 -fpermissive -Wdeprecated
-Wdeprecated-declarations" (in CXXOPTIMIZE)
```

454.calculix: "/usr/bin/gfortran" (in FC) "/usr/bin/gcc" (in CC)
```
"/usr/bin/gfortran" (in LD)
"-O3 -march=native -m32 -std=legacy" (in FOPTIMIZE)
"-O3 -march=native -m32" (in COPTIMIZE)
```

459.GemsFDTD: "/usr/bin/gfortran" (in FC) "/usr/bin/gfortran" (in LD)
```
"-O3 -march=native -m32 -std=legacy" (in FOPTIMIZE)
```

465.tonto: "/usr/bin/gfortran" (in FC) "/usr/bin/gfortran" (in LD)
```
"-O3 -march=native -m32 -std=legacy" (in FOPTIMIZE)
```

470.lbm: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)
```
"-O3 -march=native -m32" (in COPTIMIZE)
```

481.wrf: "/usr/bin/gfortran" (in FC) "/usr/bin/gcc" (in CC)
```
"/usr/bin/gfortran" (in LD)
"-O3 -march=native -m32 -std=legacy" (in FOPTIMIZE)
"-O3 -march=native -m32" (in COPTIMIZE)
```

482.sphinx3: "/usr/bin/gcc" (in CC) "/usr/bin/gcc" (in LD)
```
"-O3 -march=native -m32" (in COPTIMIZE)
```