

# SPEC® CFP2006 Result

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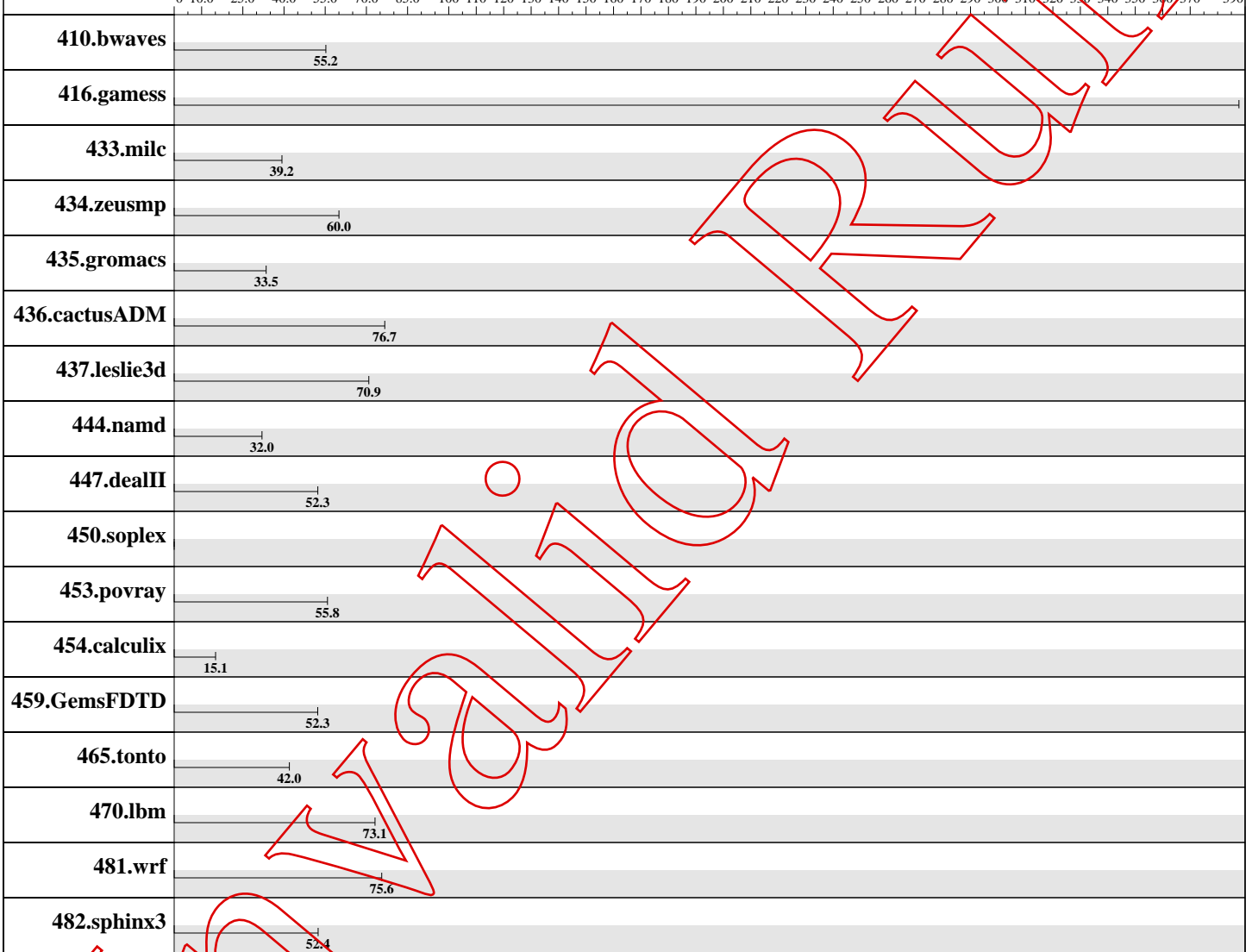
Tyan

SPECfp®2006 = Not Run

Tyan Thunder KKQS Pro (S4882)

SPECfp\_base2006 = 0.00

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



## 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)

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## 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  
465.tonto base did not have enough runs!  
453.povray base did not have enough runs!  
444.namd base did not have enough runs!  
416.gamess base did not have enough runs!  
436.cactusADM base did not have enough runs!  
459.GemsFDTD base did not have enough runs!  
450.soplex base did not have enough runs!  
437.leslie3d base did not have enough runs!  
447.dealII base did not have enough runs!  
481.wrf base did not have enough runs!  
433.milc base did not have enough runs!  
410.bwaves base did not have enough runs!  
435.gromacs base did not have enough runs!  
482.sphinx3 base did not have enough runs!  
434.zeusmp base did not have enough runs!  
470.lbm base did not have enough runs!  
454.calculix 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	<b><u>246</u></b>	<b><u>55.2</u></b>										
416.gamess	50.5	388										
433.milc	<b><u>234</u></b>	<b><u>39.2</u></b>										
434.zeusmp	<b><u>152</u></b>	<b><u>60.0</u></b>										
435.gromacs	<b><u>213</u></b>	<b><u>33.5</u></b>										
436.cactusADM	<b><u>156</u></b>	<b><u>76.7</u></b>										
437.leslie3d	<b><u>133</u></b>	<b><u>70.9</u></b>										
444.namd	<b><u>251</u></b>	<b><u>32.0</u></b>										
447.dealII	<b><u>219</u></b>	<b><u>52.3</u></b>										
450.soplex	0.00	0.00										
453.povray	<b><u>95.3</u></b>	<b><u>55.8</u></b>										
454.calculix	<b><u>547</u></b>	<b><u>15.1</u></b>										
459.GemsFDTD	<b><u>203</u></b>	<b><u>52.3</u></b>										
465.tonto	<b><u>235</u></b>	<b><u>42.0</u></b>										
470.lbm	<b><u>188</u></b>	<b><u>73.1</u></b>										
481.wrf	<b><u>148</u></b>	<b><u>75.6</u></b>										
482.sphinx3	<b><u>372</u></b>	<b><u>52.4</u></b>										

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

C++ base flags: -O3 -march=native -fpermissive -Wdeprecated -Wdeprecated-declarations

Fortran base flags: -O3 -march=native -std=legacy

## Base Unknown Flags

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

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

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

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

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

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## Base Unknown Flags (Continued)

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

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

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

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

453.povray: "/usr/bin/g++" (in CXX) "/usr/bin/g++" (in LD)  
"-O3 -march=native -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 -std=legacy" (in FOPTIMIZE)  
"-O3 -march=native" (in COPTIMIZE)

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

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

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

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

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

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