

Testing applications with Helgrind

Application	Number of created threads	Number of reported faults	Number of false positives	Number of real bugs	Error report	Error Summary
counter_example_1_pthread	2	18	18	0	Possible data race during write in same	18 errors from 2 contexts
counter_example_2_pthread	2	2	2	0	Possible data race during write in same address with 2	18 errors from 2 contexts
lock_and_lockfree	50	-	-	-	Valgrind's memory management: out of memory	Whatever the reason Helgrind cannot continue
Multi-producer_Multi-consumer_lock-free_boost	8	-	-	-	Valgrind's memory management: out of memory	Whatever the reason Helgrind cannot continue
Multi-producer_Multi-consumer_lock-Synchronized_boost	8	0-1	0-1	0	Existing thread still holds 1 lock	0-1 error from 0-1 context
Queue_lockfree_boost	3	39961	39961	0	Possible data race during read	39961 errors from 4 contexts
Single-producer_Multi-consumer_Ringbuffer_lock-free_boost	4	1156-1230	1156-1230	0	Possible data race during write	1156-1230 error from 4 contexts
Single-producer_Multi-consumer_Ringbuffer_lock-Synchronized_boost	4	0	0	0	-	0 errors detected
spsc_queue_lockfree_boost	2	102	102	0	Possible data race during read by thread 3 and 2	102 errors from 3 contexts
Stack_lockfree_embb	3	200	200	0	Possible data race during read	200 errors from 2 contexts
Summation_lock_free_cppThread	4	0	0	0	-	0 errors detected
Summation_lock_Synchronized_cppThread	4	-	-	-	Unknown	Unknown