This is a part of original paper that I wrote in December 2011. The paper was in Russian, so I cropped parts with graphics and test configurations. Please contact me if you need further information.

3.3 Test Results

Quad-core host.

Listing 7: cpuinfo (1 × Xeon X3330, 4 physical cores)

```
processor : 0
vendor_id : GenuineIntel
cpu family : 6
model : 23
model name : Intel(R) Xeon(R) CPU X3330 @ 2.66GHz
stepping : 10
cpu MHz : 2666.825
cache size : 3072 KB
fpu : yes
fpu_exception : yes
cpuid level : 13
wp : yes
flags : fpu vme de pse tsc msr pae mce cx8 apic sep mtrr pge mca cmov pat pse36
    clflush dts acpi mmx fxsr sse sse2 ss ht tm pbe syscall nx lm constant_tsc
    arch_perfmon pebs bts rep_good pni dtes64 monitor ds_cpl vmx smx est tm2 ssse3
    cx16 xtpr pdcm sse4_1 xsave lahf_lm tpr_shadow vnmi flexpriority
bogomips : 5333.65
clflush size : 64
cache_alignment : 64
address sizes : 36 bits physical, 48 bits virtual
power management:
```

Listing 8: meminfo (≈ 7.8 GiB total)

```
MemTotal: 8199336 kB
MemFree: 1983840 kB
Buffers: 498276 kB
Cached: 5116356 kB
SwapCached: 112 kB
Active: 2000556 kB
Inactive: 2978516 kB
Active(anon): 19168 kB
Inactive(anon): 8992 kB
Active(file): 1981388 kB
Inactive(file): 2969524 kB
```
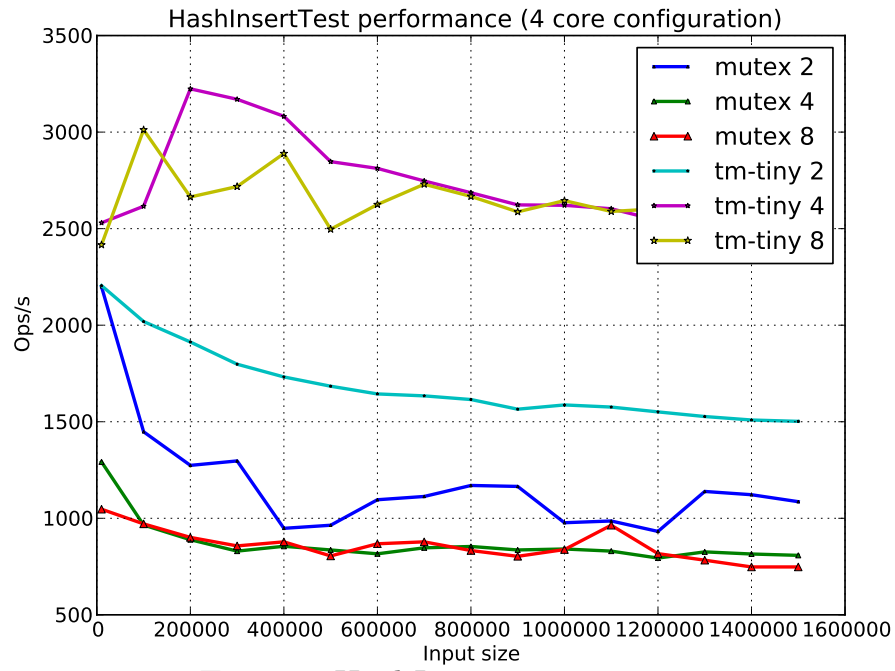
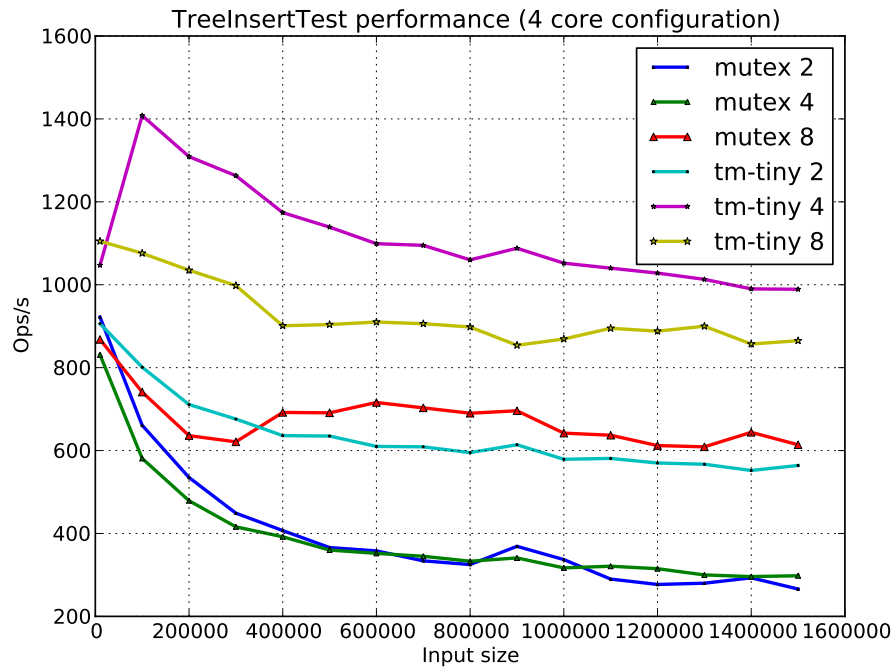Fig. 1 – HashInsertTest, 4 cores

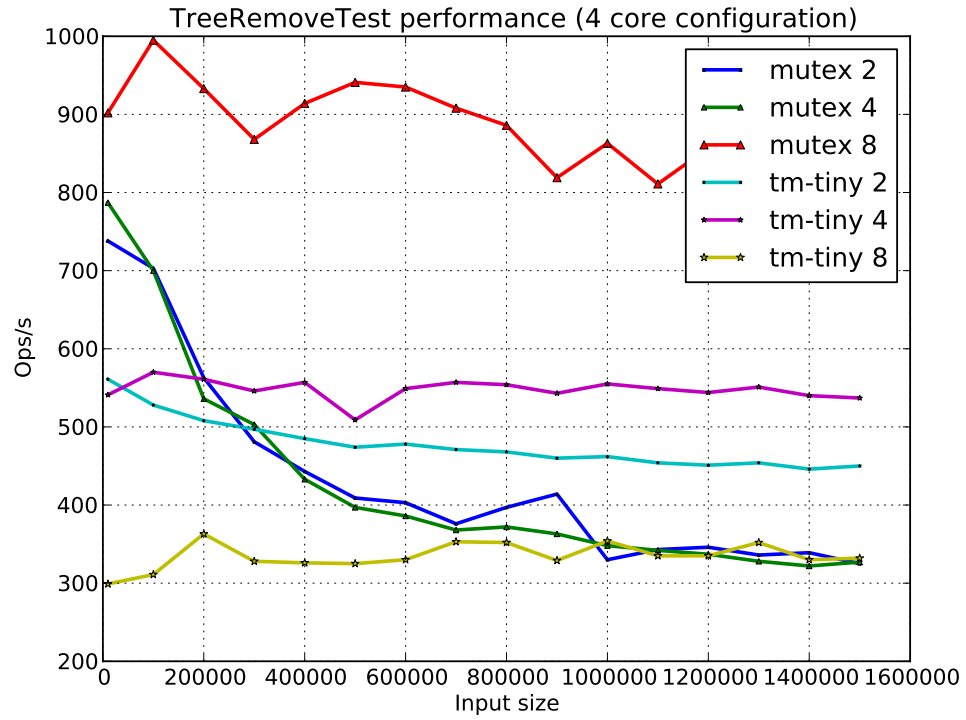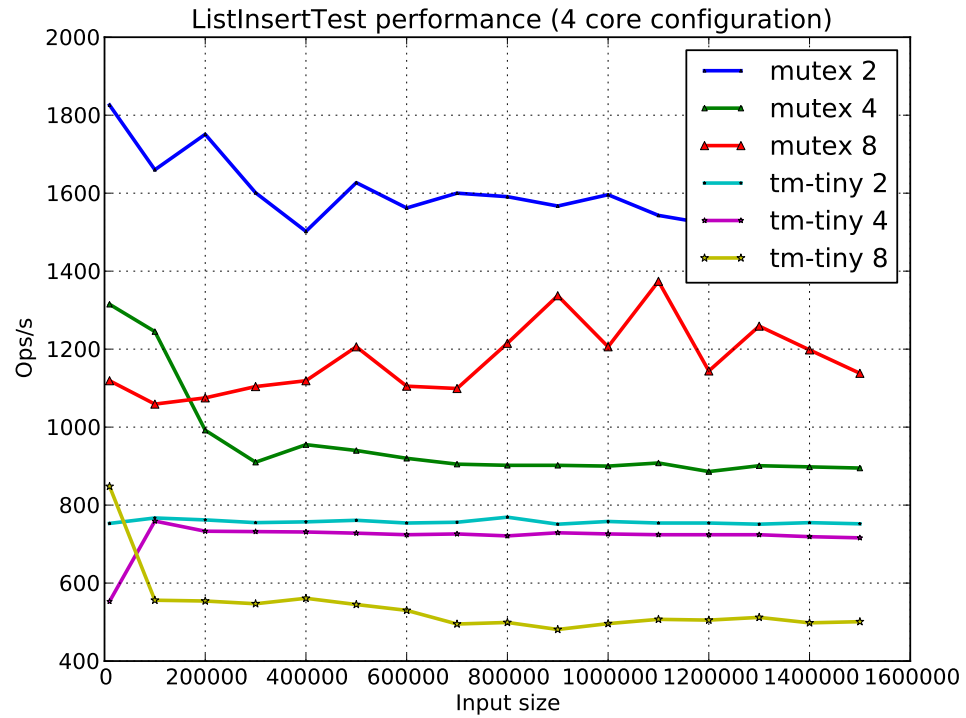Fig. 2 – TreeInsertTest, 4 cores

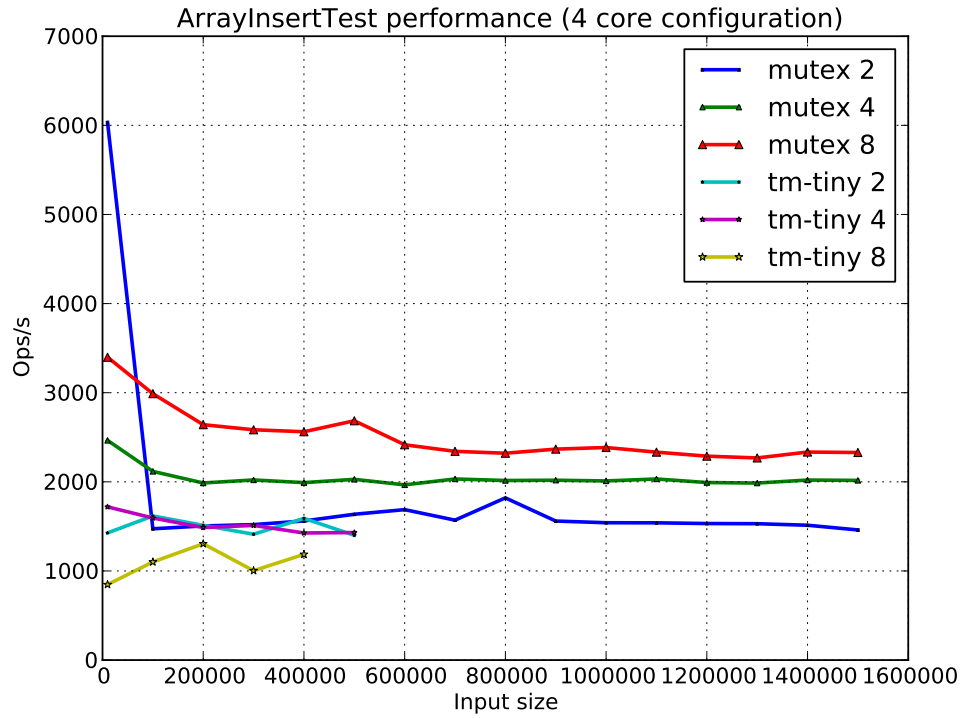Fig. 3 – TreeRemoveTest, 4 cores

Fig. 4 – ListInsertTest, 4 cores

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Fig. 5 – ArrayInsertTest, 4 cores

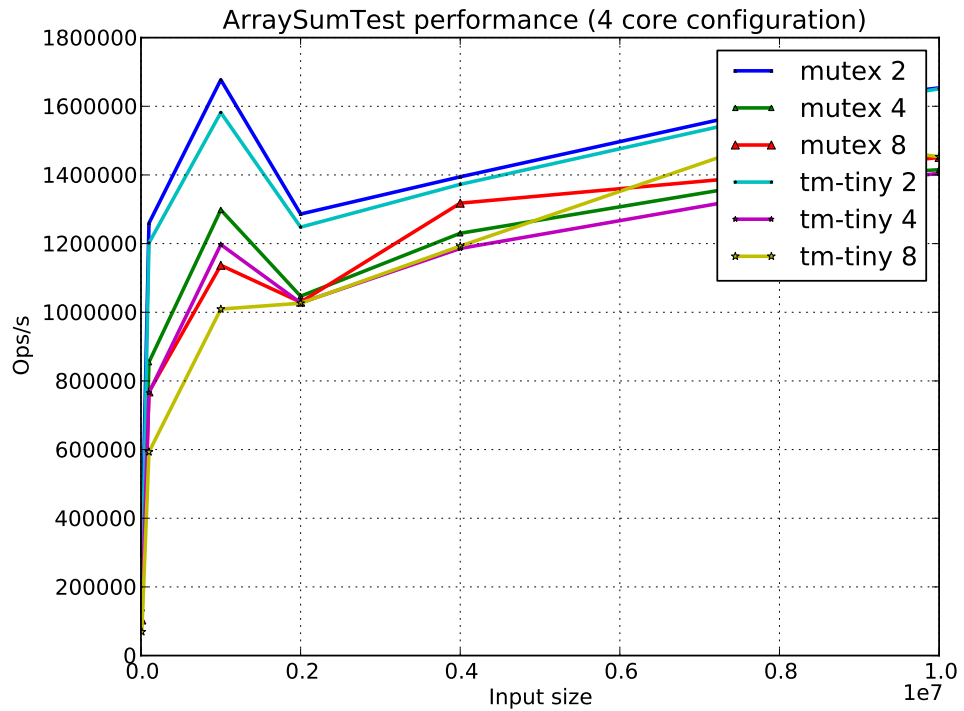Fig. 6 – ArraySumTest, 4 cores

Eight-core host.

Listing 9: cpuinfo (2 × Xeon E5506, 8 physical cores)

```
processor : 0
vendor_id : GenuineIntel
cpu family : 6
model : 26
model name : Intel(R) Xeon(R) CPU E5506 @ 2.13GHz
stepping : 5
cpu MHz : 2133.408
cache size : 4096 KB
fpu : yes
fpu_exception : yes
cpuid level : 11
wp : yes
flags : fpu de tsc msr pae cx8 sep cmov pat clflush mmx fxsr sse sse2 ss ht
    syscall nx lm constant_tsc rep_good nonstop_tsc aperfmperf pni ssse3 cx16
    sse4_1 sse4_2 popcnt hypervisor lahf_lm
bogomips : 4266.81
clflush size : 64
cache_alignment : 64
address sizes : 40 bits physical, 48 bits virtual
power management:
```

Listing 10: meminfo (≈ 6.8 GiB total)

```
MemTotal: 7136868 kB
MemFree: 5264588 kB
Buffers: 129636 kB
Cached: 1570404 kB
SwapCached: 0 kB
Active: 1074068 kB
Inactive: 650188 kB
Active(anon): 24220 kB
Inactive(anon): 40 kB
Active(file): 1049848 kB
Inactive(file): 650148 kB
```
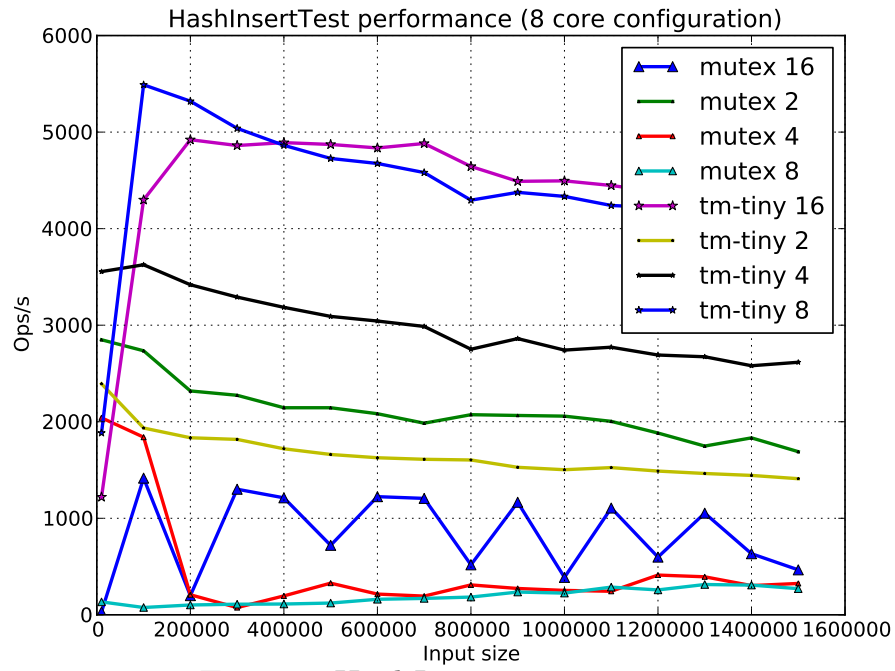
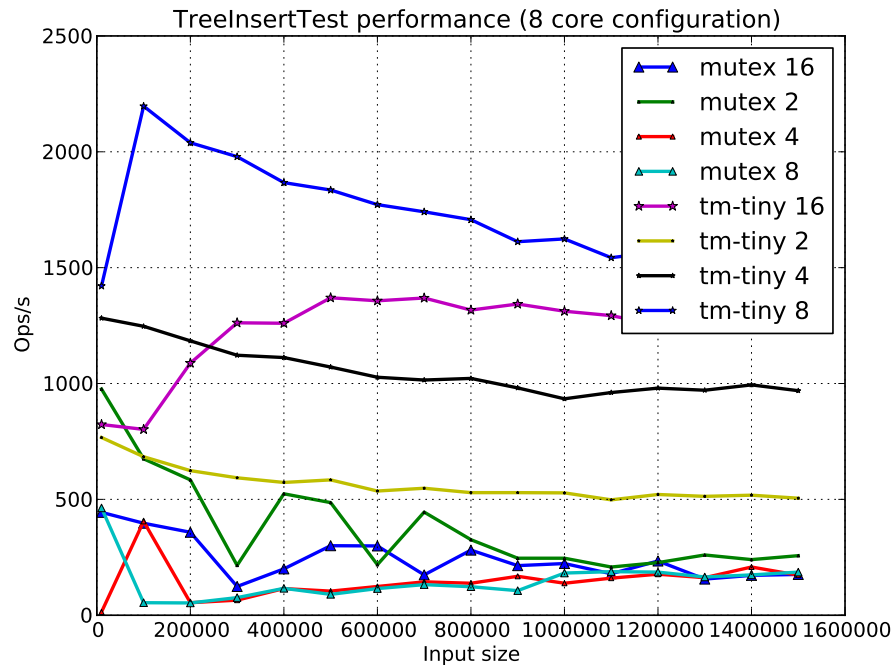Fig. 7 – HashInsertTest, 8 cores

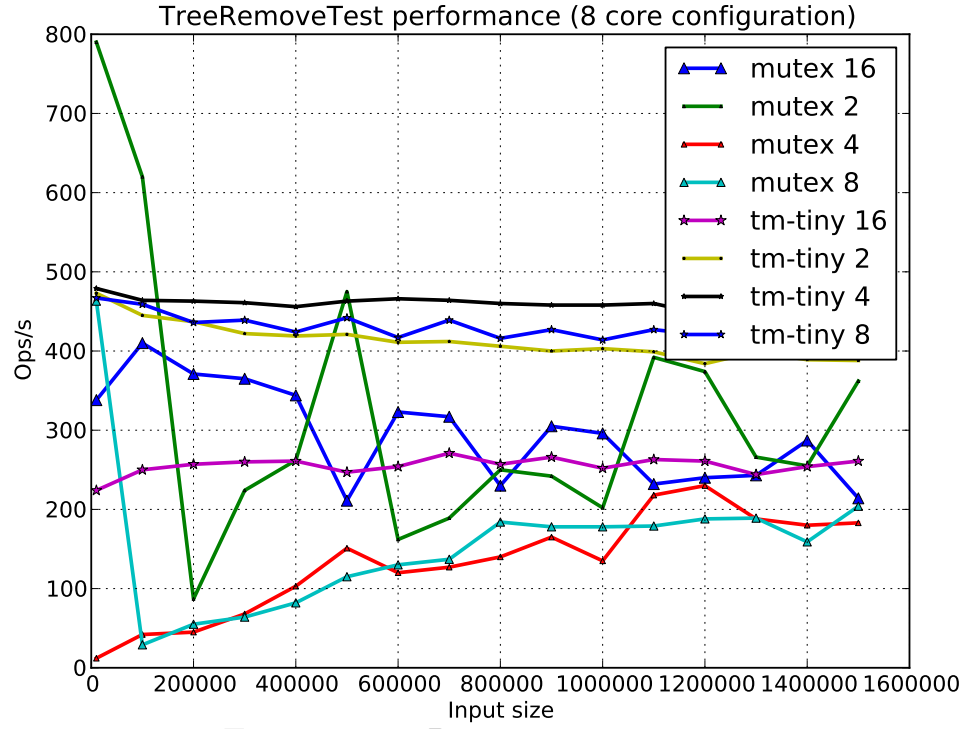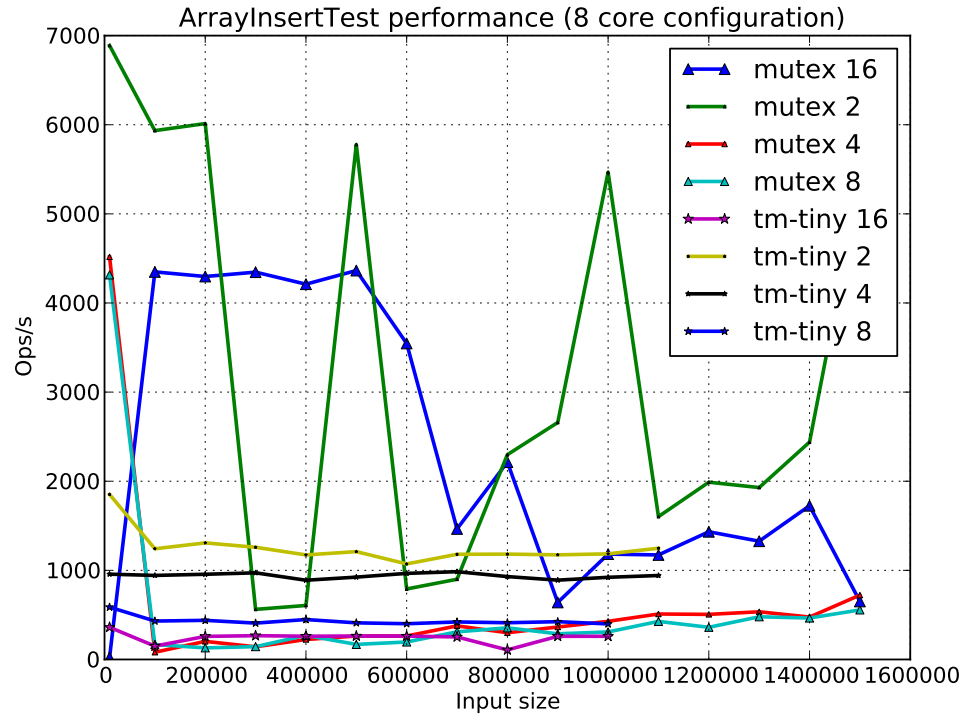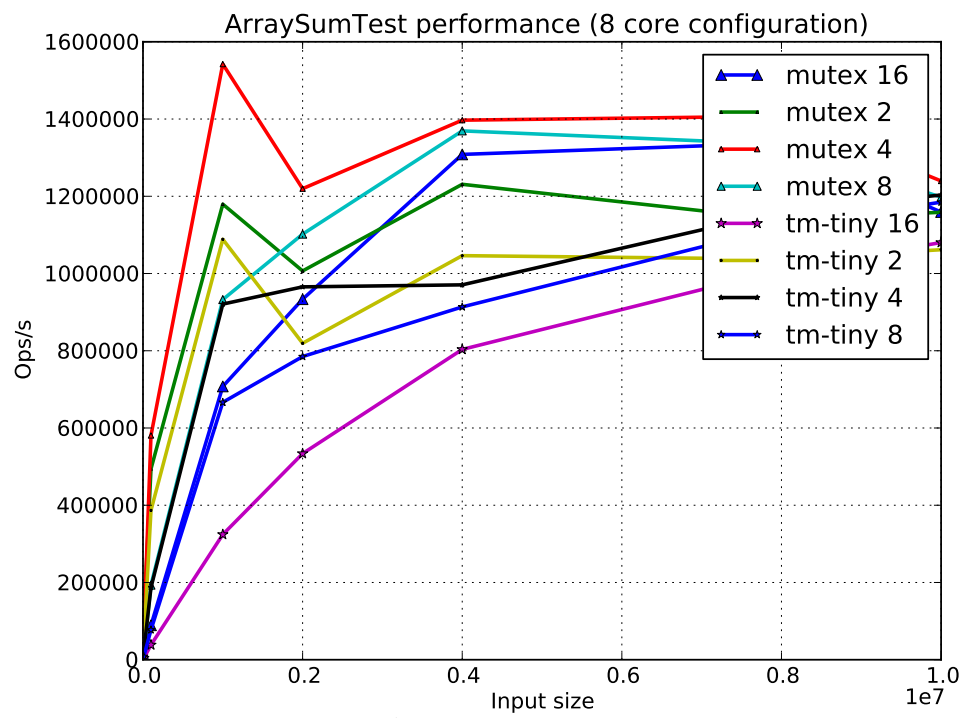Fig. 8 – TreeInsertTest, 8 cores

Fig. 9 – TreeRemoveTest, 8 cores

Fig. 10 – ArrayInsertTest, 8 cores

Fig. 11 – ArraySumTest, 8 cores