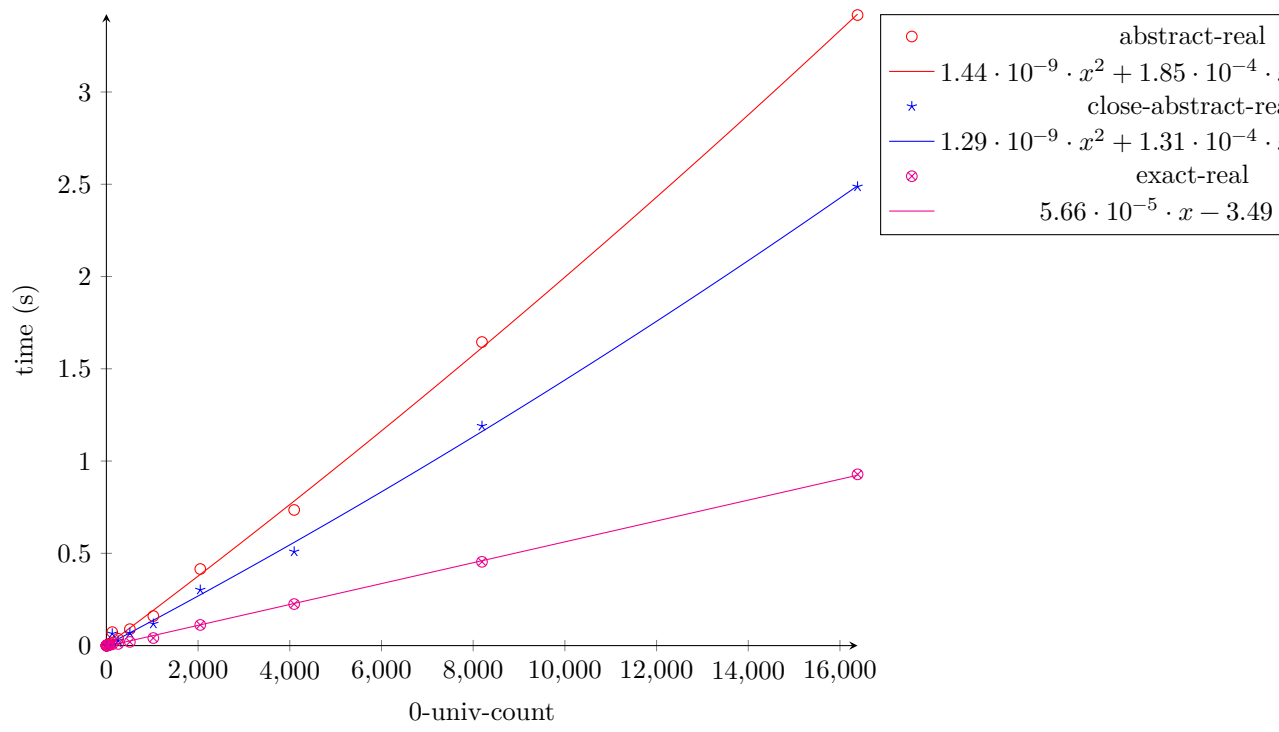Figure 1: timing-pattern

1

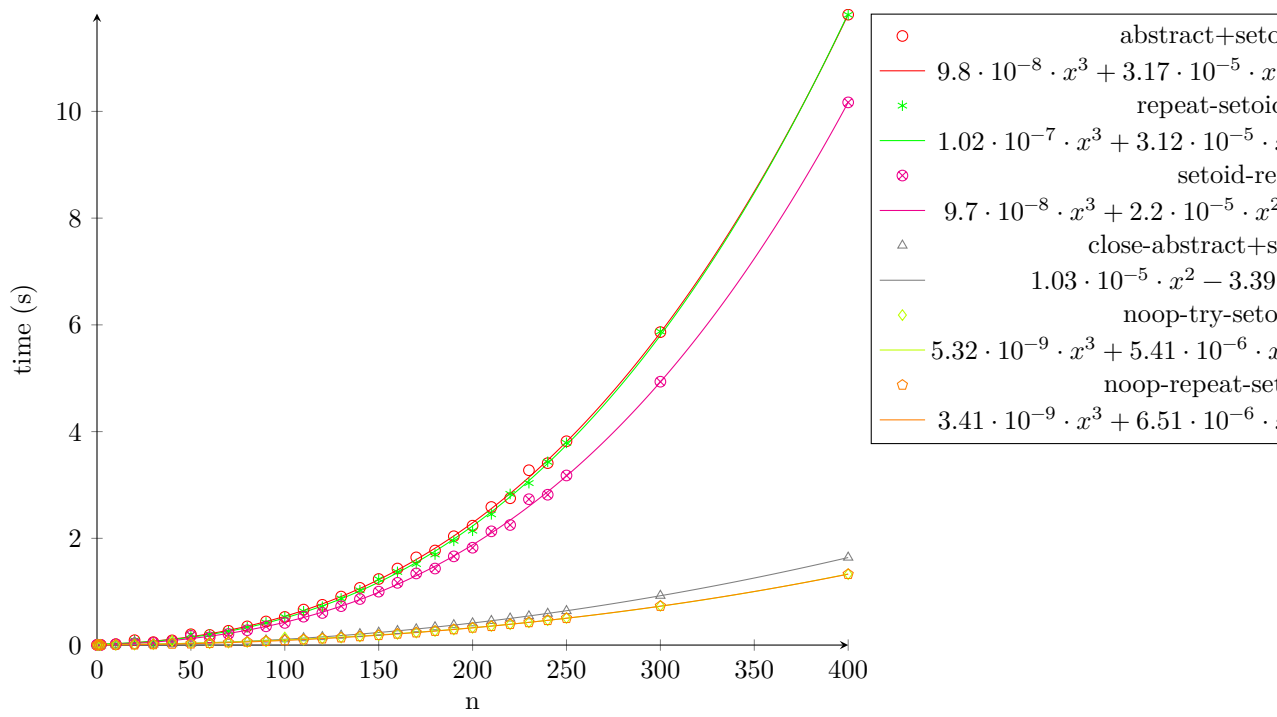Figure 2: timing-n-polymorphic-universes param-1-n 0

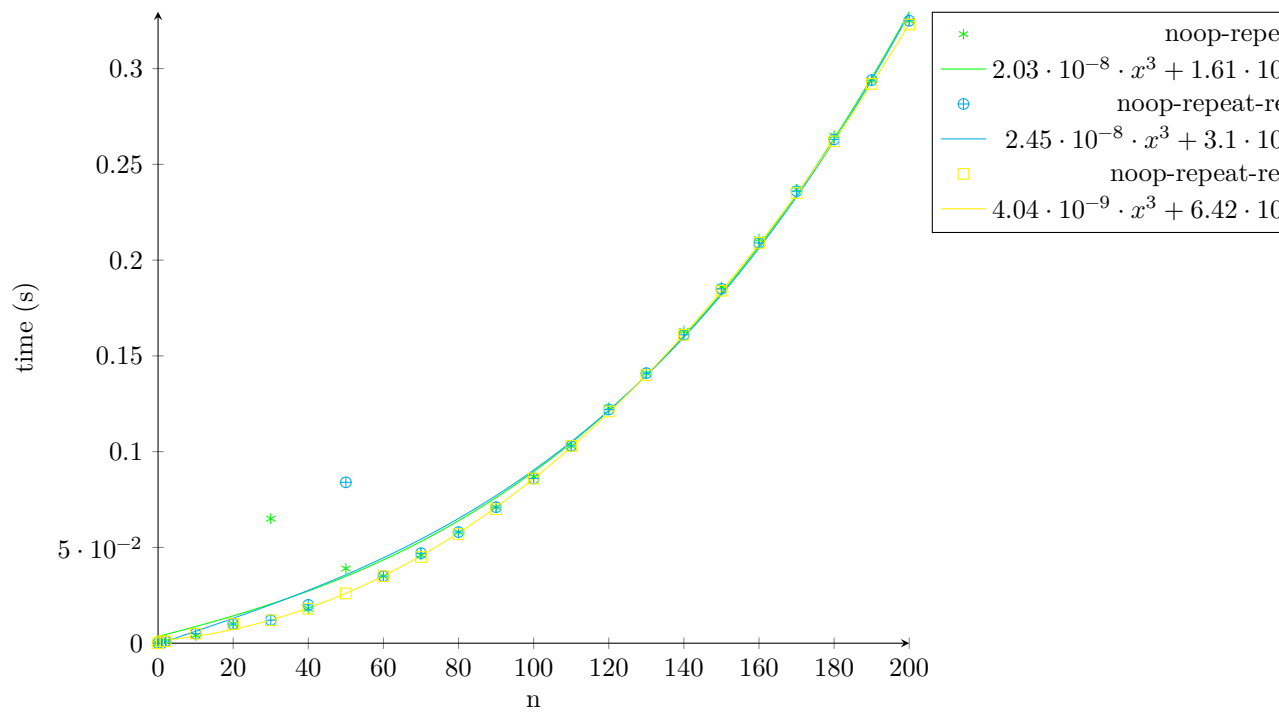Figure 3: timing-repeat-setoid-rewrite-under-binders

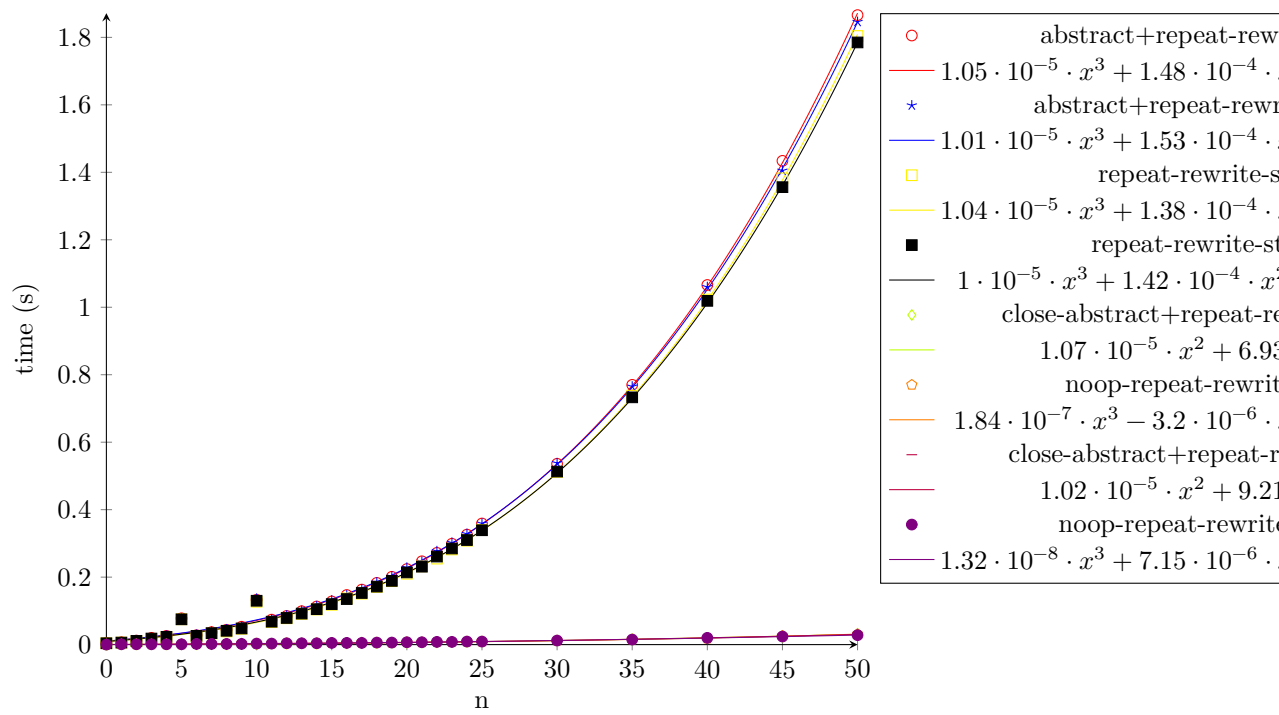Figure 4: timing-repeat-setoid-rewrite-under-binders-noop
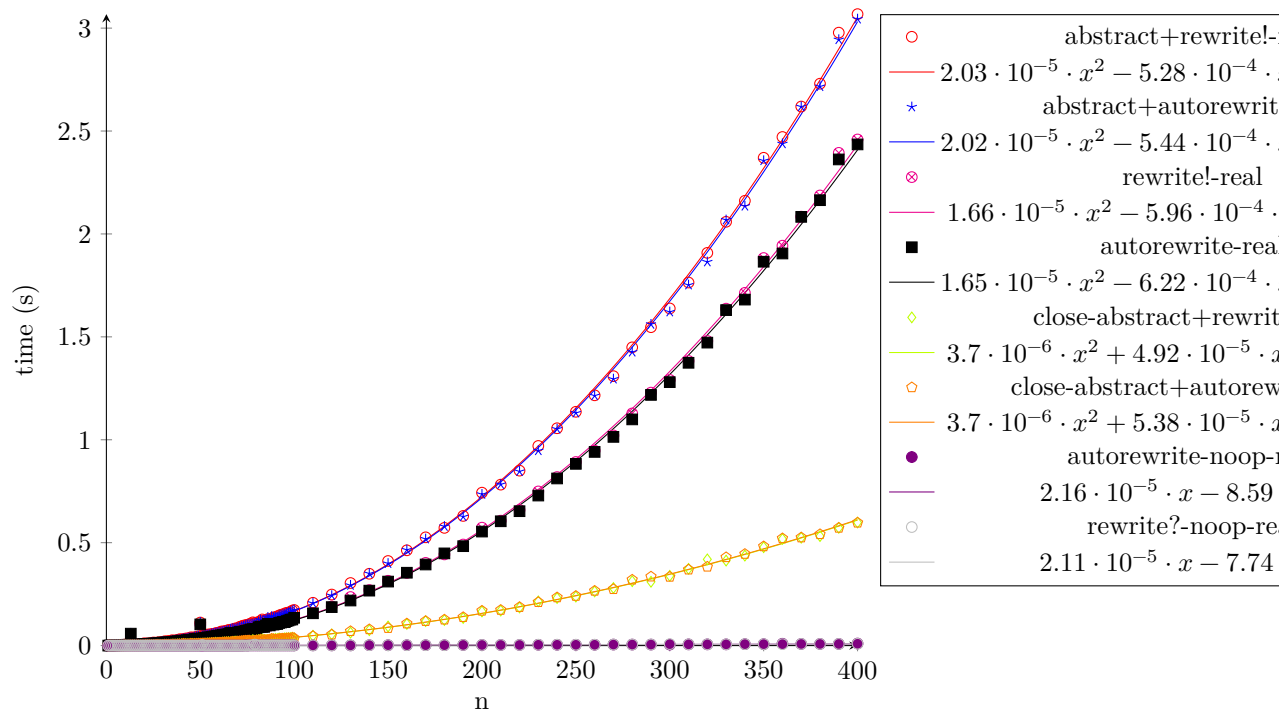
Figure 5: timing-rewrite-strat-under-binders
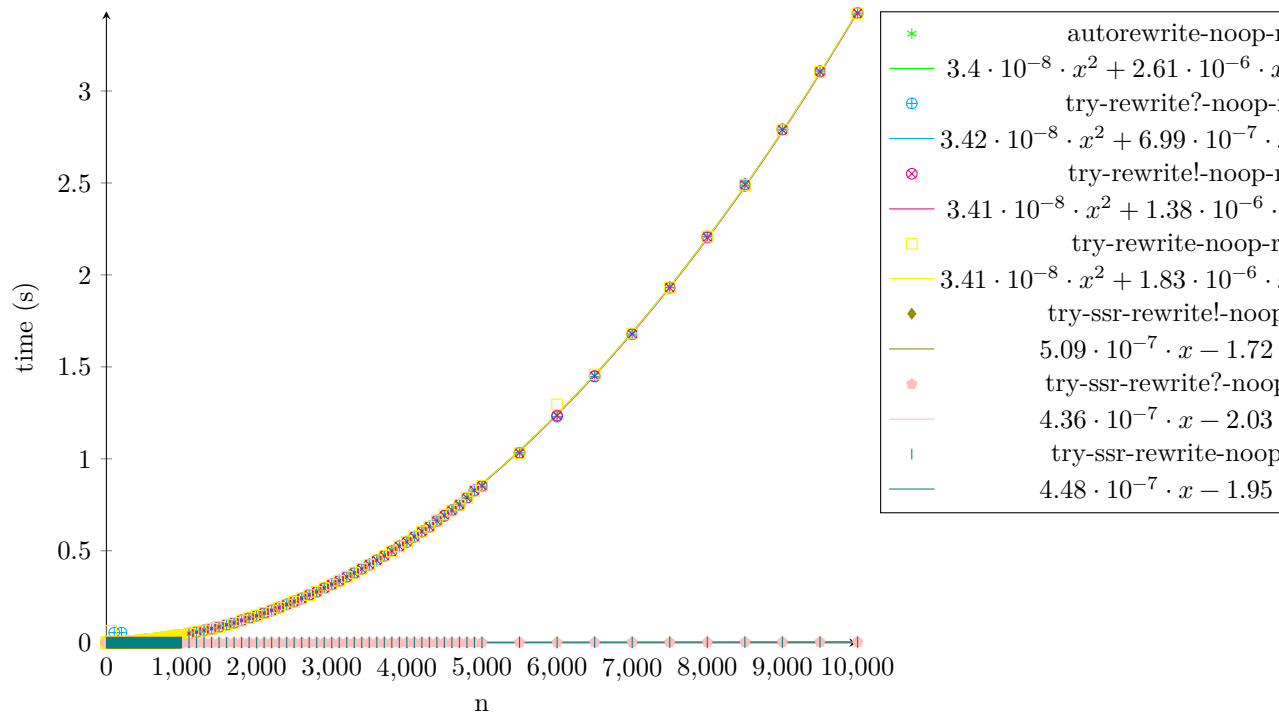
Figure 6: timing-rewrite-repeated-app-autorewrite

The legend of the figure reads:

- abstract+rewrite!-
  $2.03 \cdot 10^{-5} \cdot x^2 - 5.28 \cdot 10^{-4} \cdot$
- abstract+autorewrit
  $2.02 \cdot 10^{-5} \cdot x^2 - 5.44 \cdot 10^{-4} \cdot$
- rewrite!-real
  $1.66 \cdot 10^{-5} \cdot x^2 - 5.96 \cdot 10^{-4} \cdot$
- autorewrite-rea
  $1.65 \cdot 10^{-5} \cdot x^2 - 6.22 \cdot 10^{-4} \cdot$
- close-abstract+rewrit
  $3.7 \cdot 10^{-6} \cdot x^2 + 4.92 \cdot 10^{-5} \cdot x$
- close-abstract+autorew
  $3.7 \cdot 10^{-6} \cdot x^2 + 5.38 \cdot 10^{-5} \cdot x$
- autorewrite-noop-
  $2.16 \cdot 10^{-5} \cdot x - 8.59$
- rewrite?-noop-re
  $2.11 \cdot 10^{-5} \cdot x - 7.74$

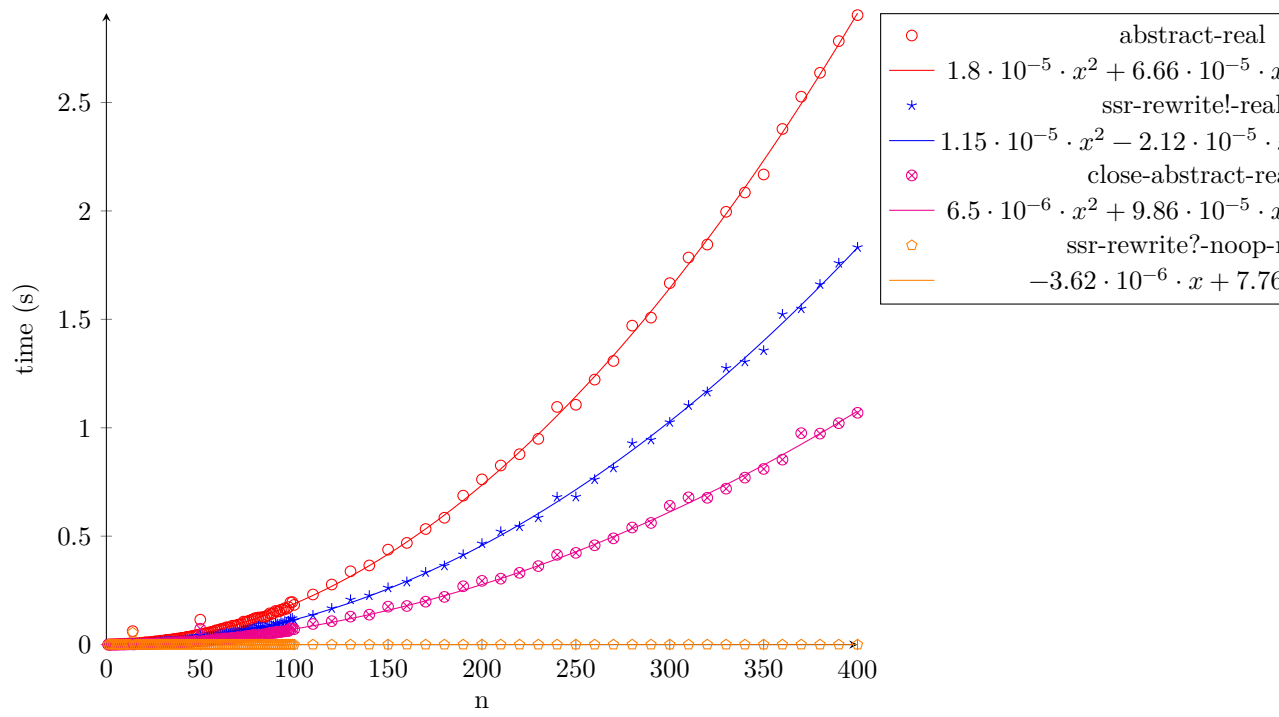Figure 7: timing-rewrite-repeated-app-autorewrite-noop

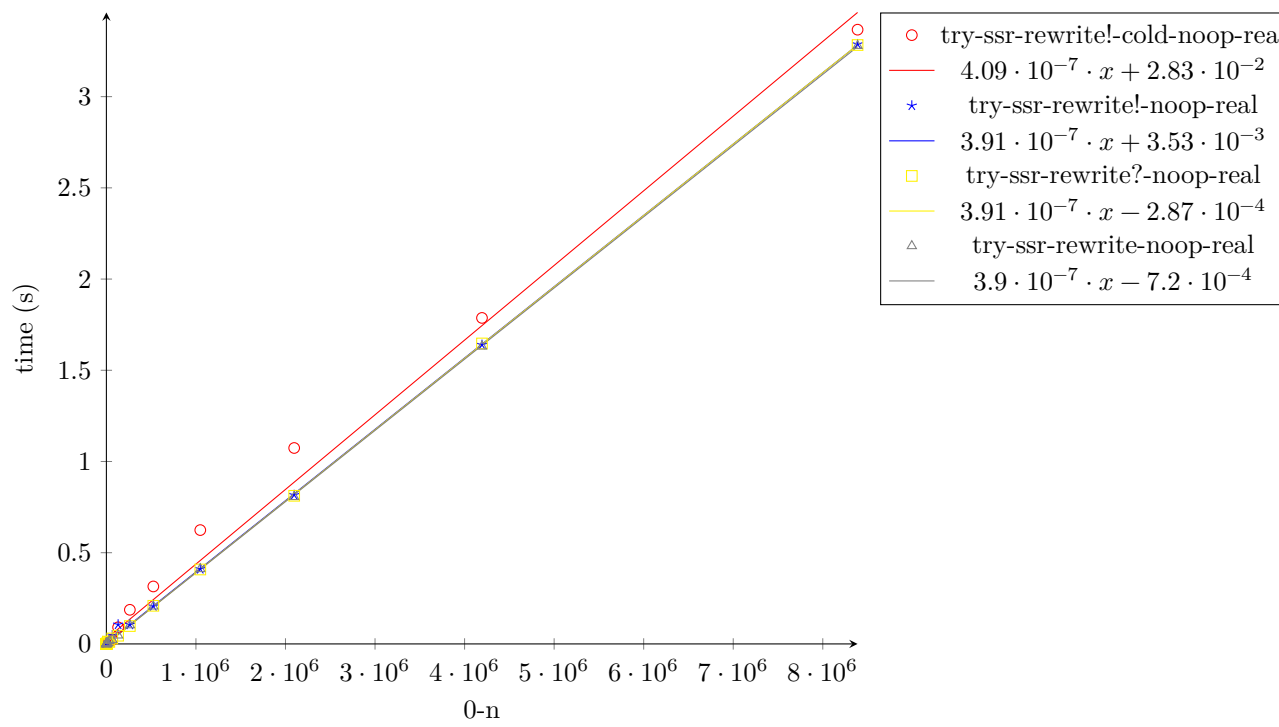Figure 8: timing-rewrite-repeated-app-ssrrewrite

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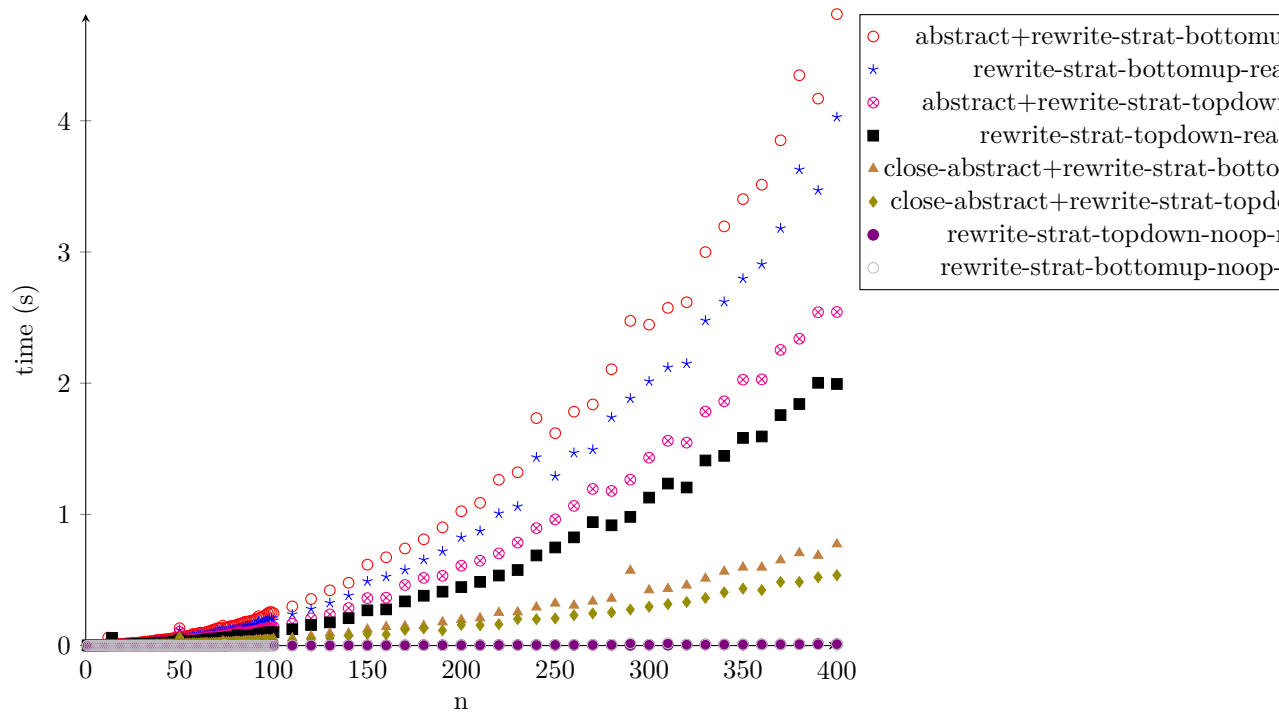Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn 1

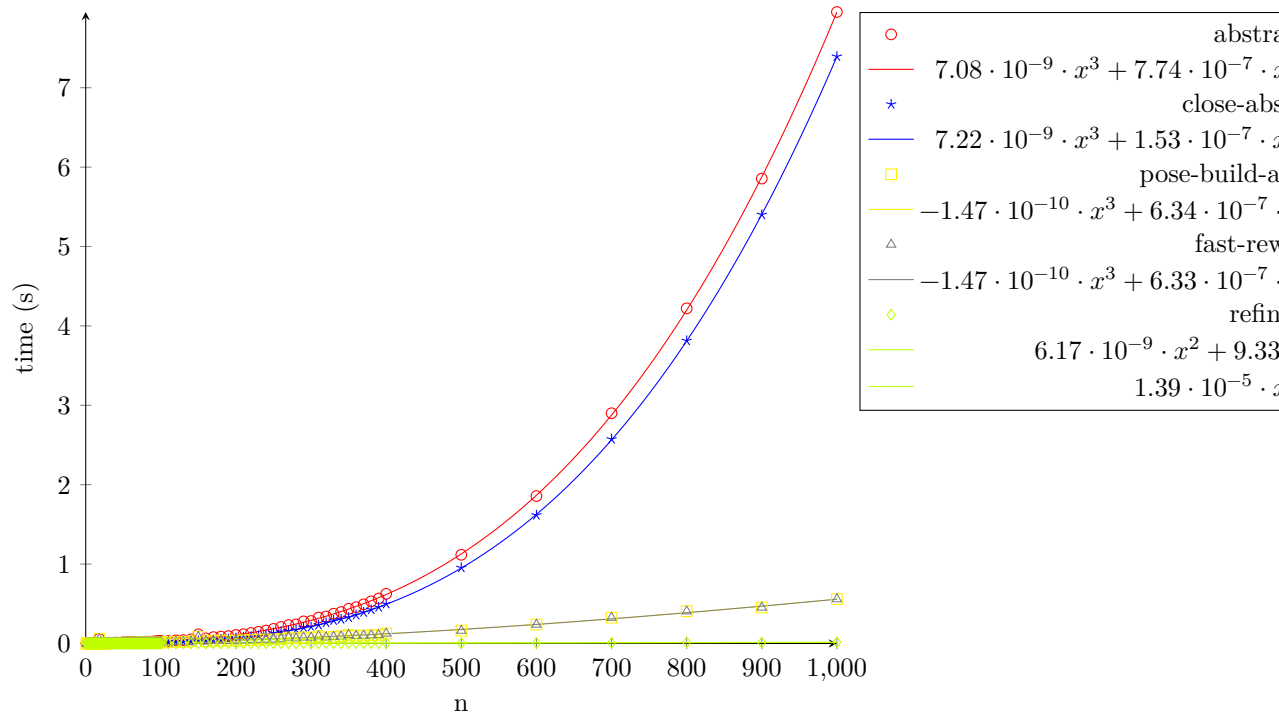Figure 10: timing-rewrite-repeated-app-rewrite-strat
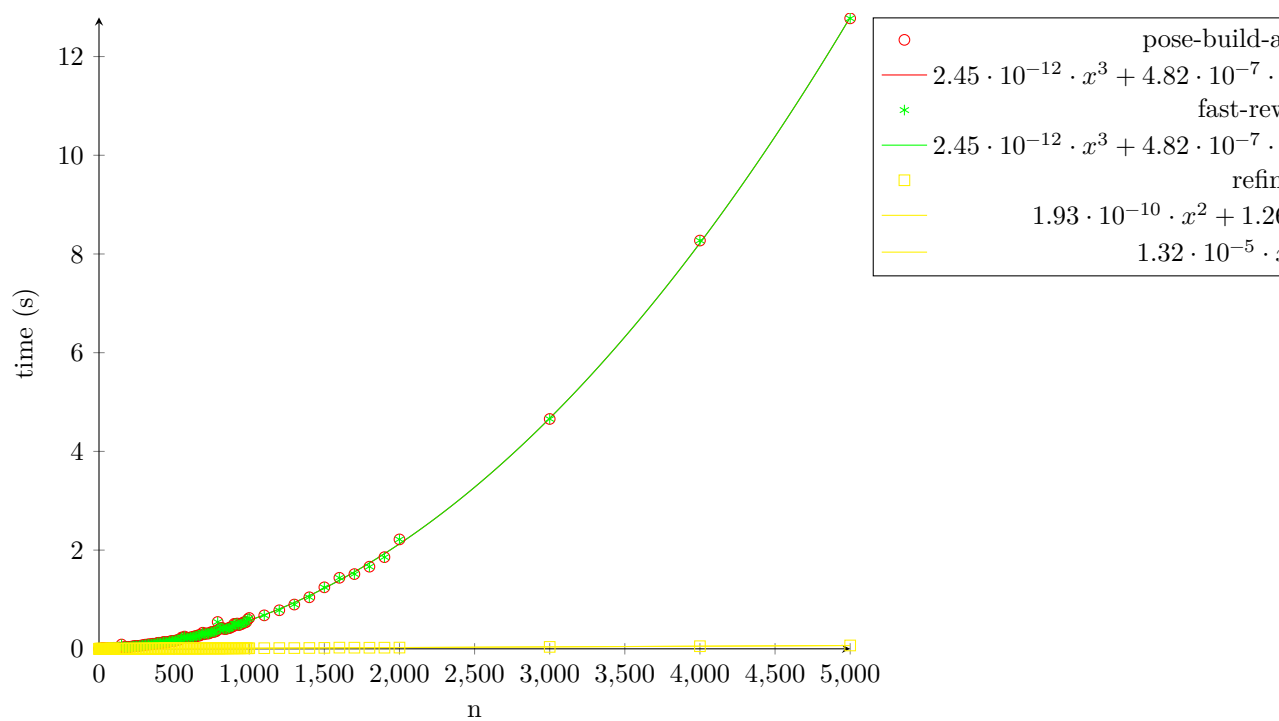
Figure 11: timing-rewrite-repeated-app-fast-rewrite

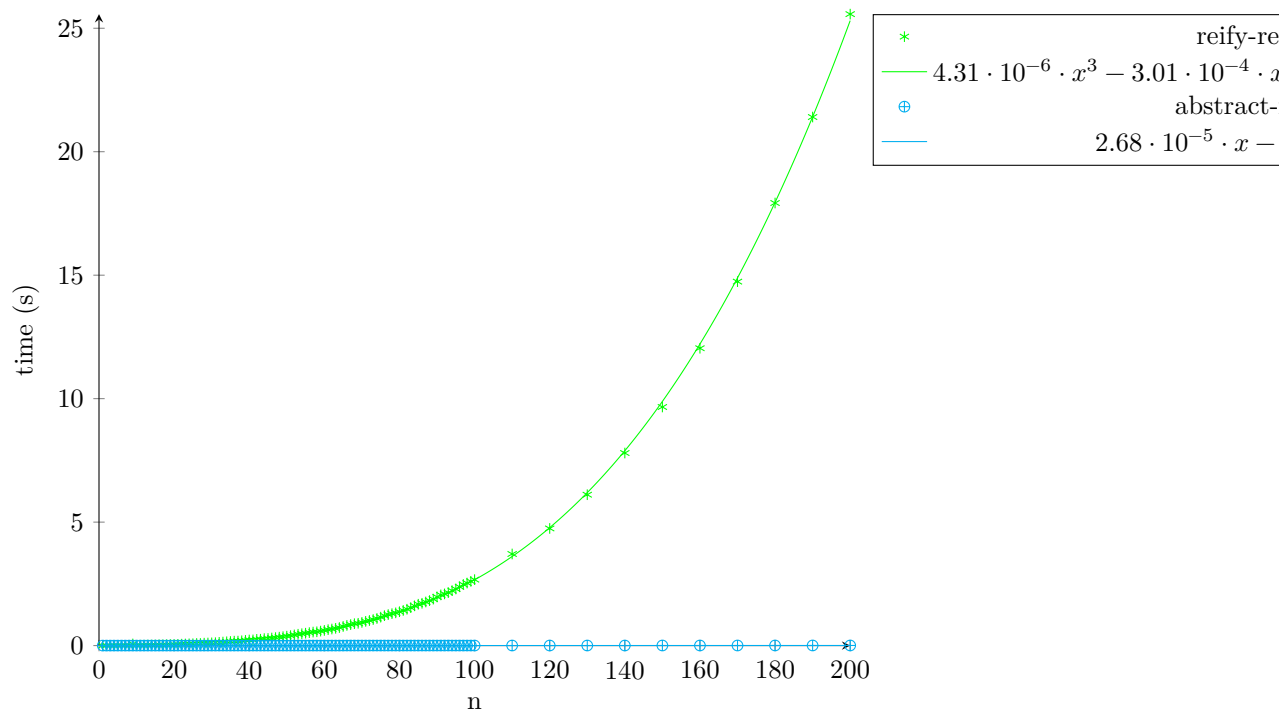Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract
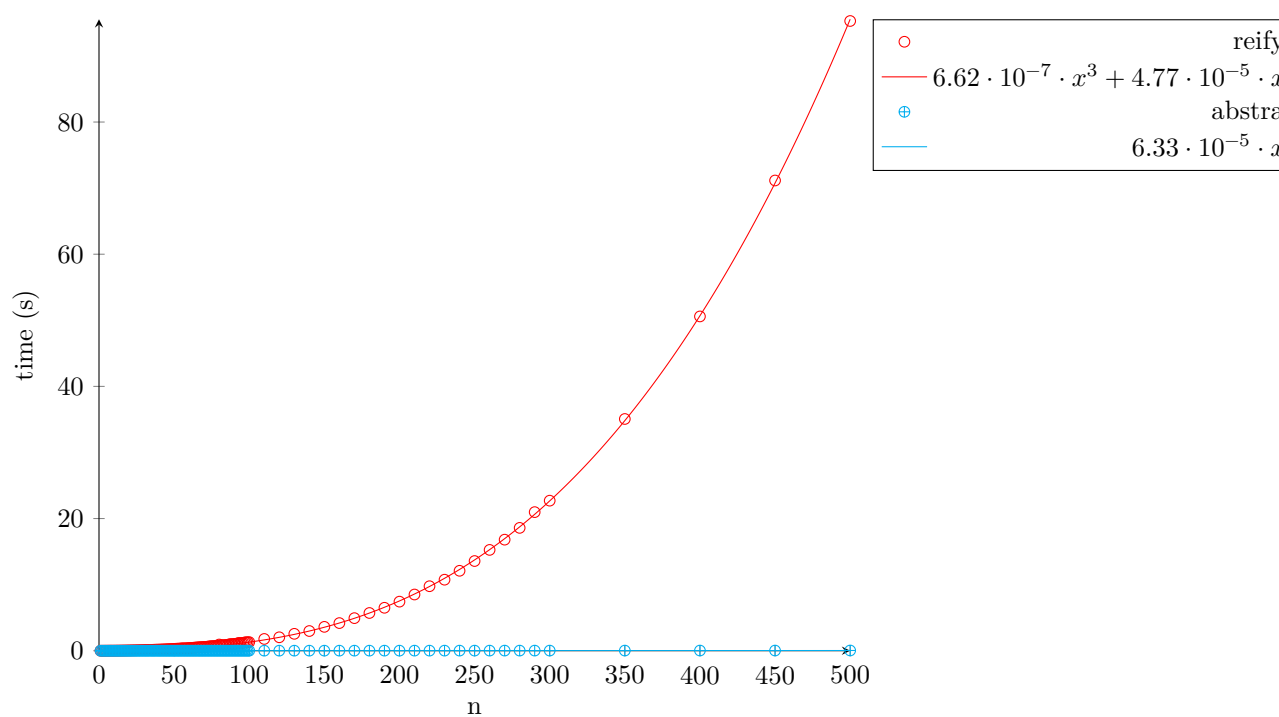
Figure 13: timing-typeclass-reification-let-in-HOAS

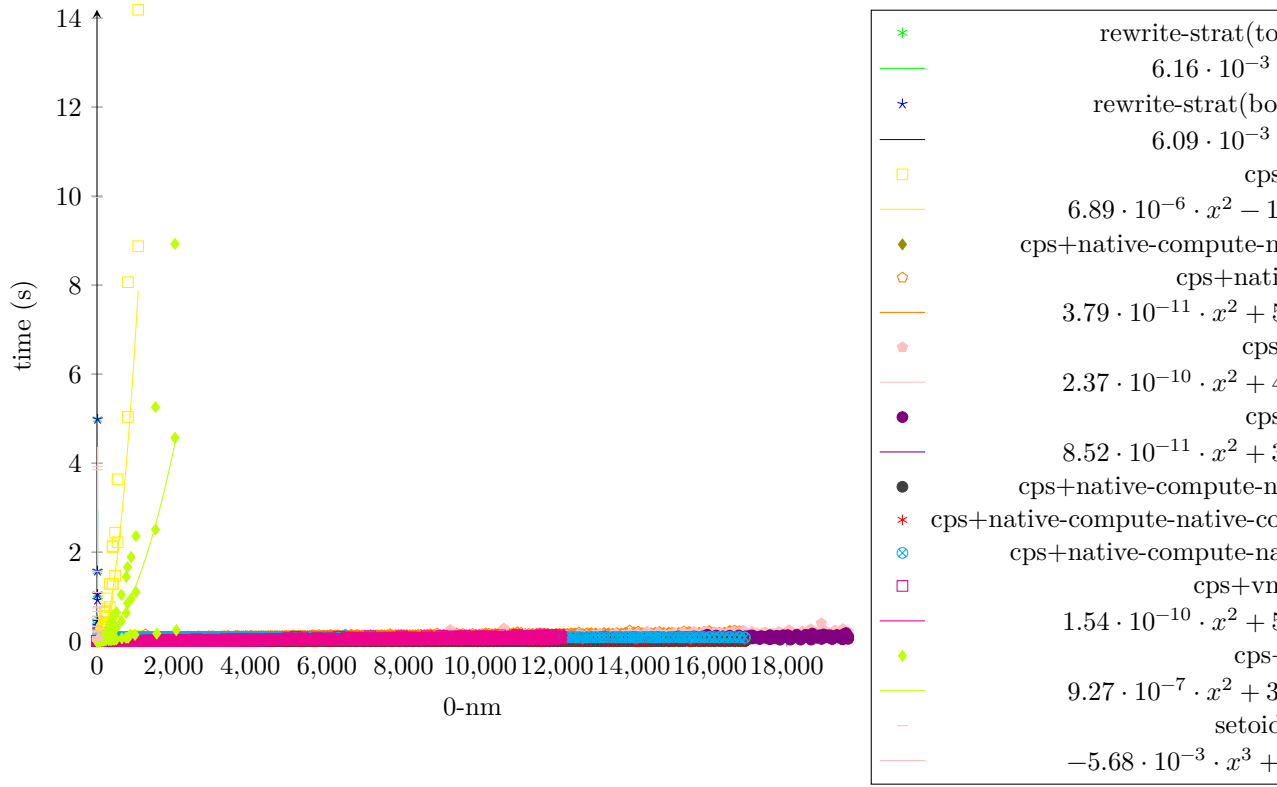Figure 14: timing-typeclass-reification-let-in-PHOAS

Figure 15: timing-rewrite-lift-lets-map param-1-n 1, param-2-m 1
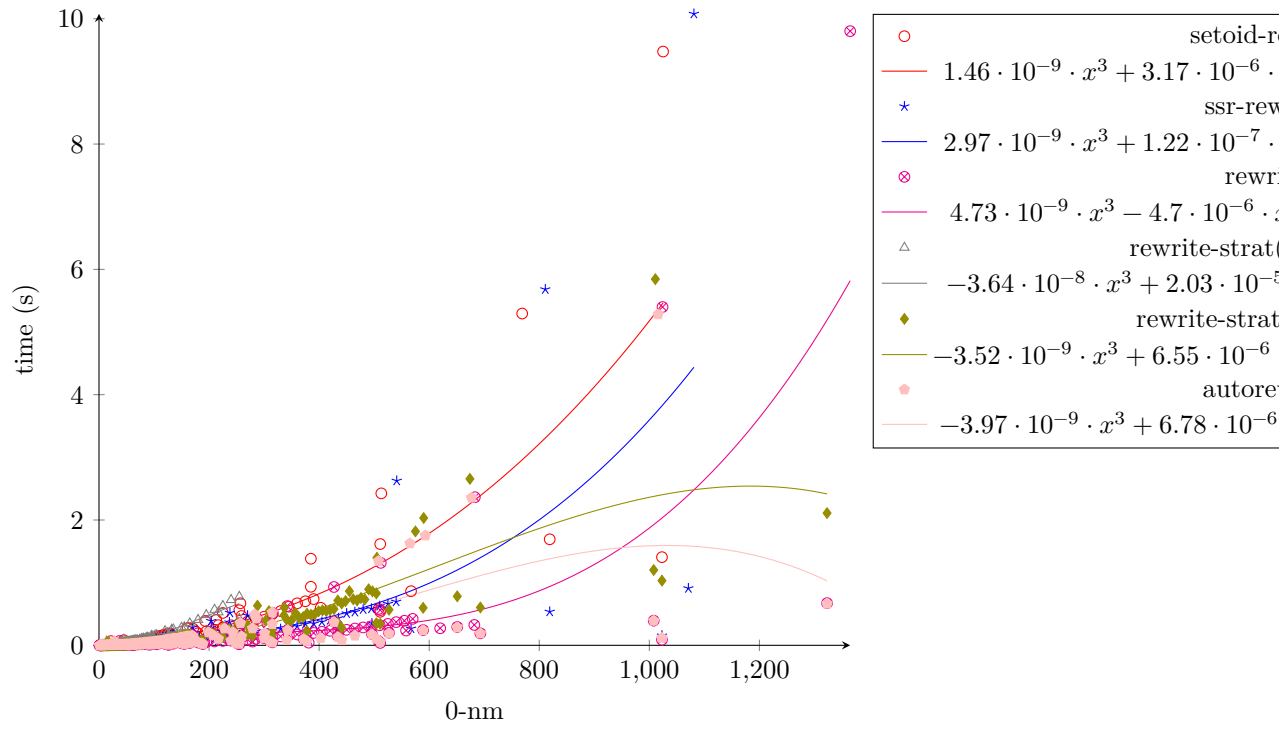
Figure 16: timing-rewrite-plus-0-tree param-1-n 0, param-2-m 1, param-3-input-size 5, param-4-output-size 3, param-5-num-rewrites 1
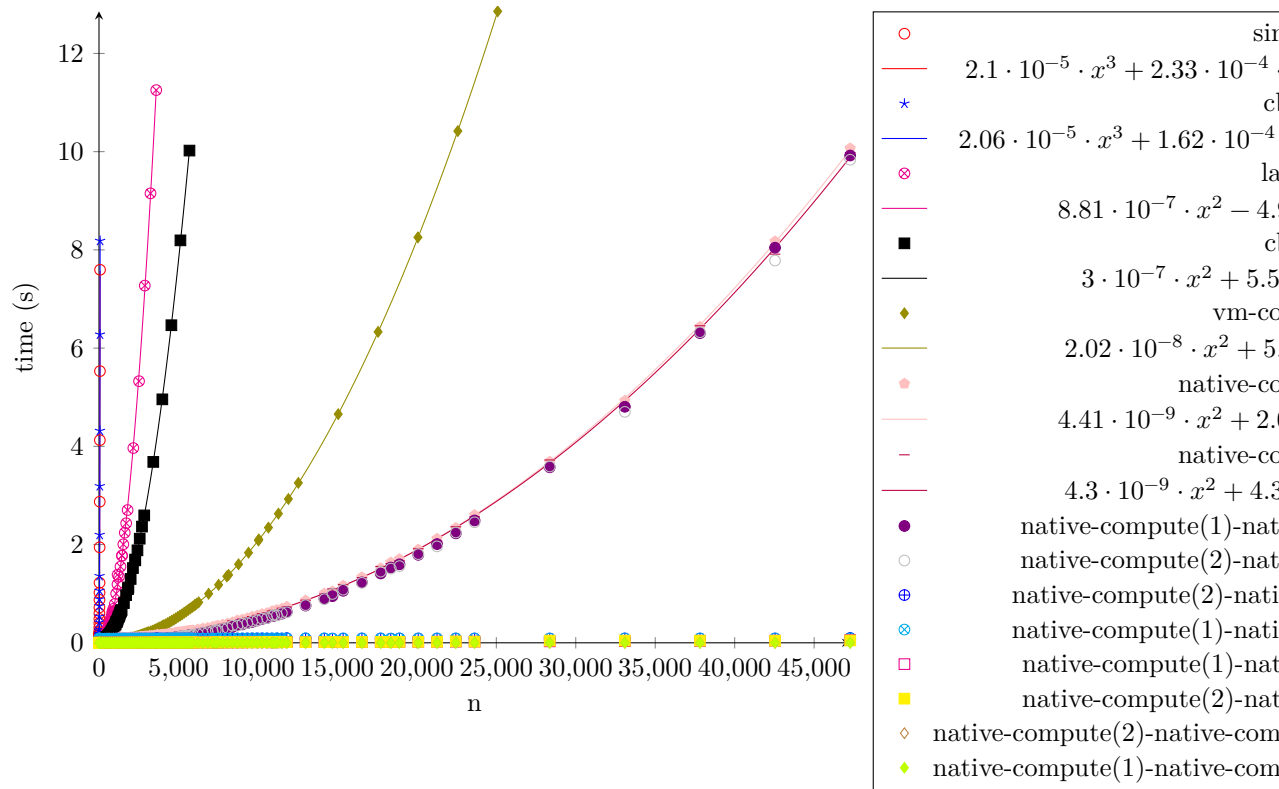
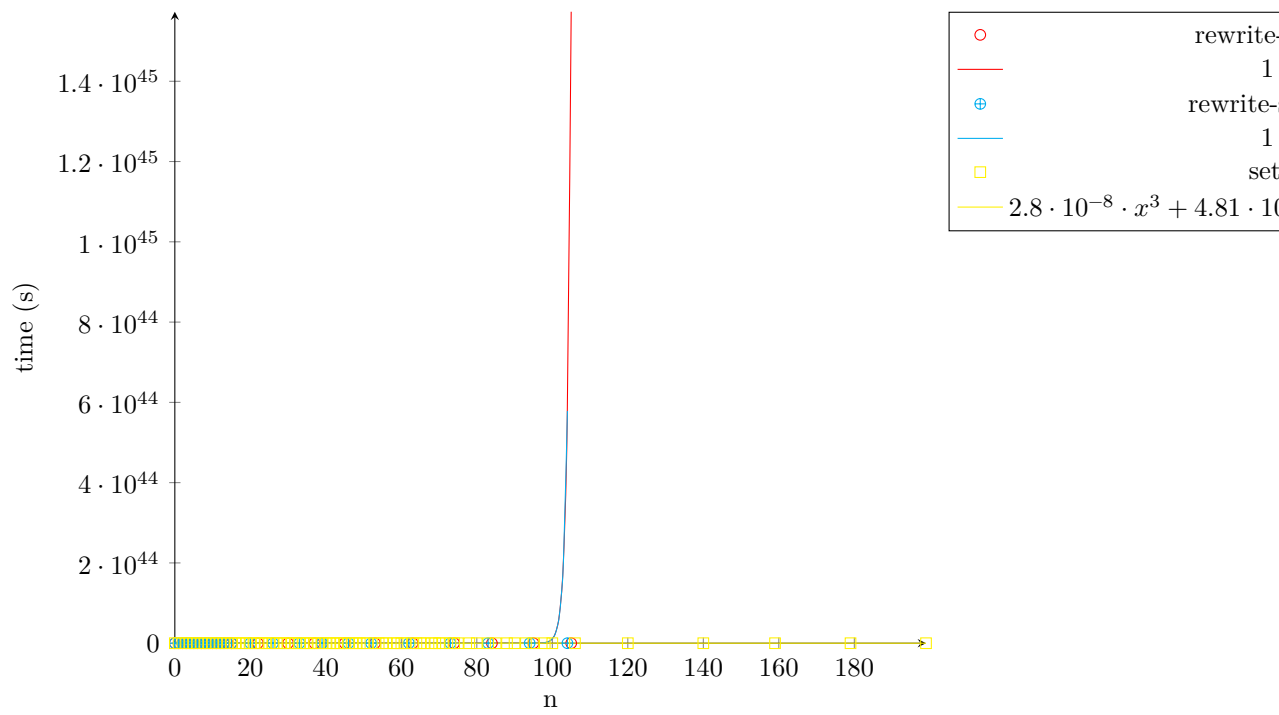Figure 17: timing-sieve-of-eratosthenes
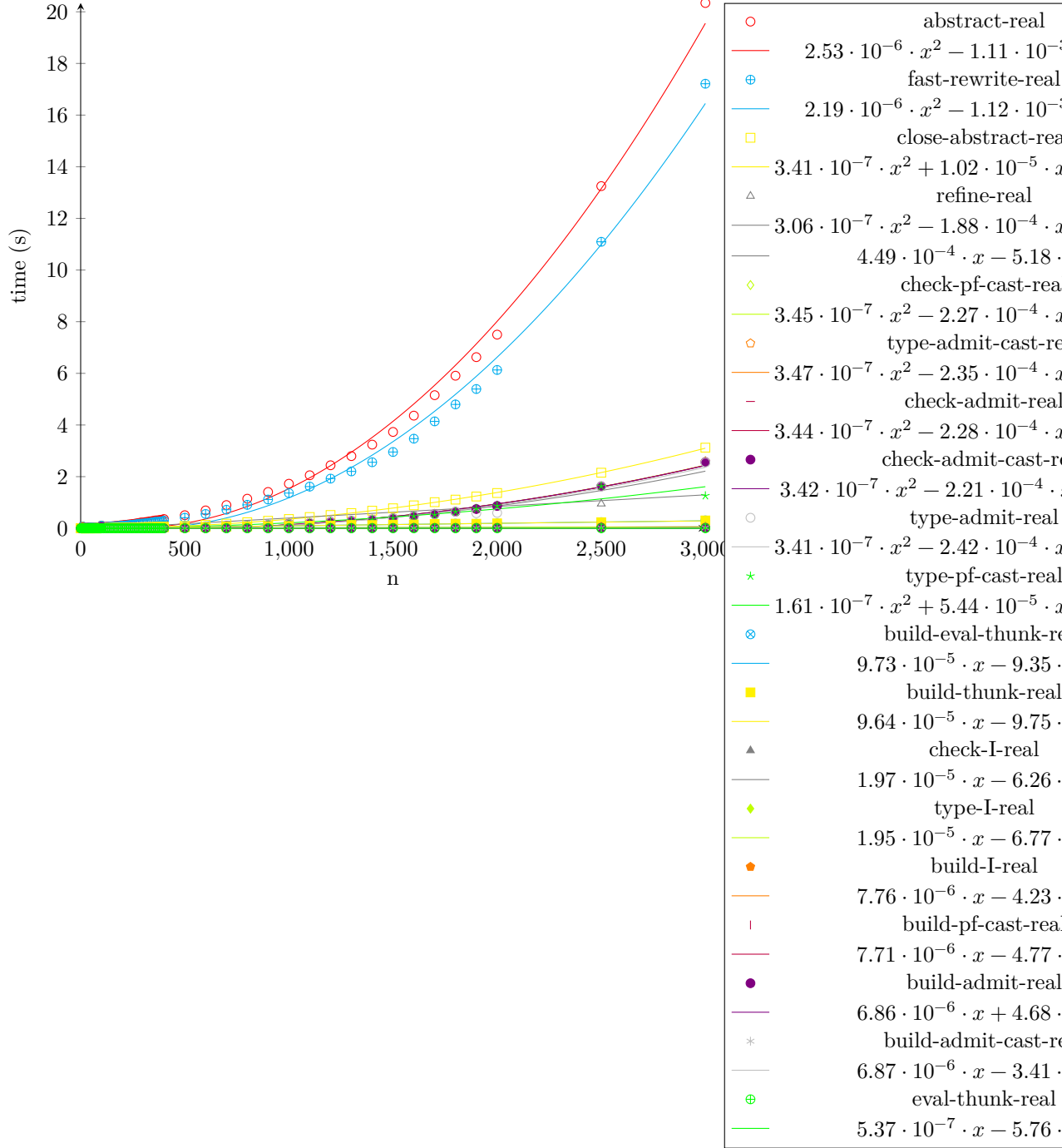
Figure 18: timing-rewrite-under-lets-plus-0

Figure 19: timing-rewrite-repeated-app-fast-rewrite-ltac2