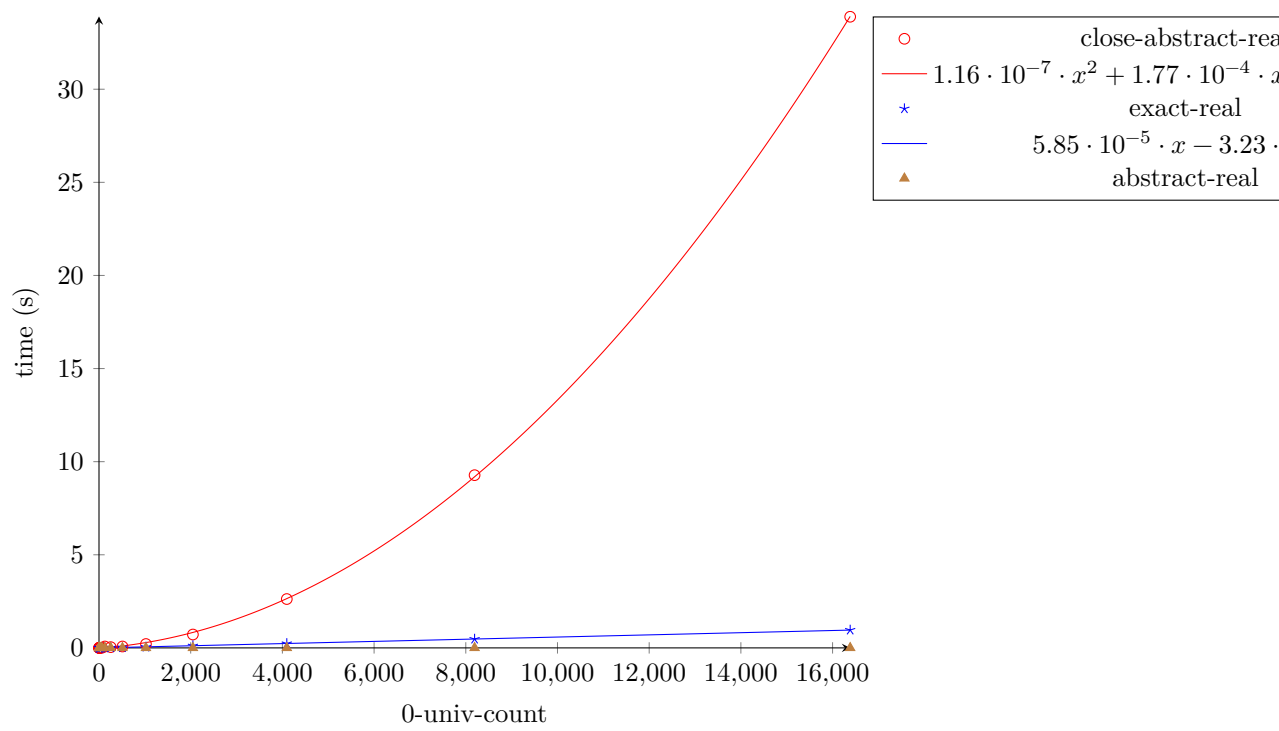Figure 1: timing-pattern

Figure 2: timing-n-polymorphic-universes param-1-n   0
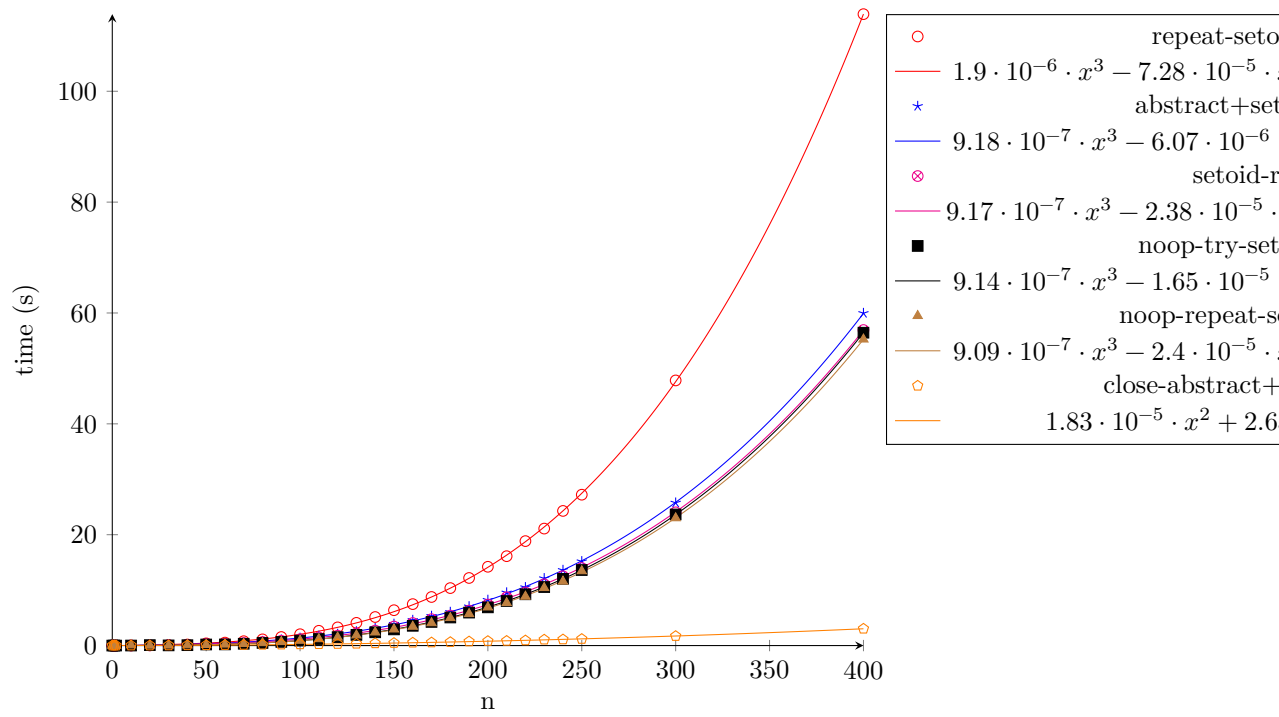
Figure 3: timing-repeat-setoid-rewrite-under-binders
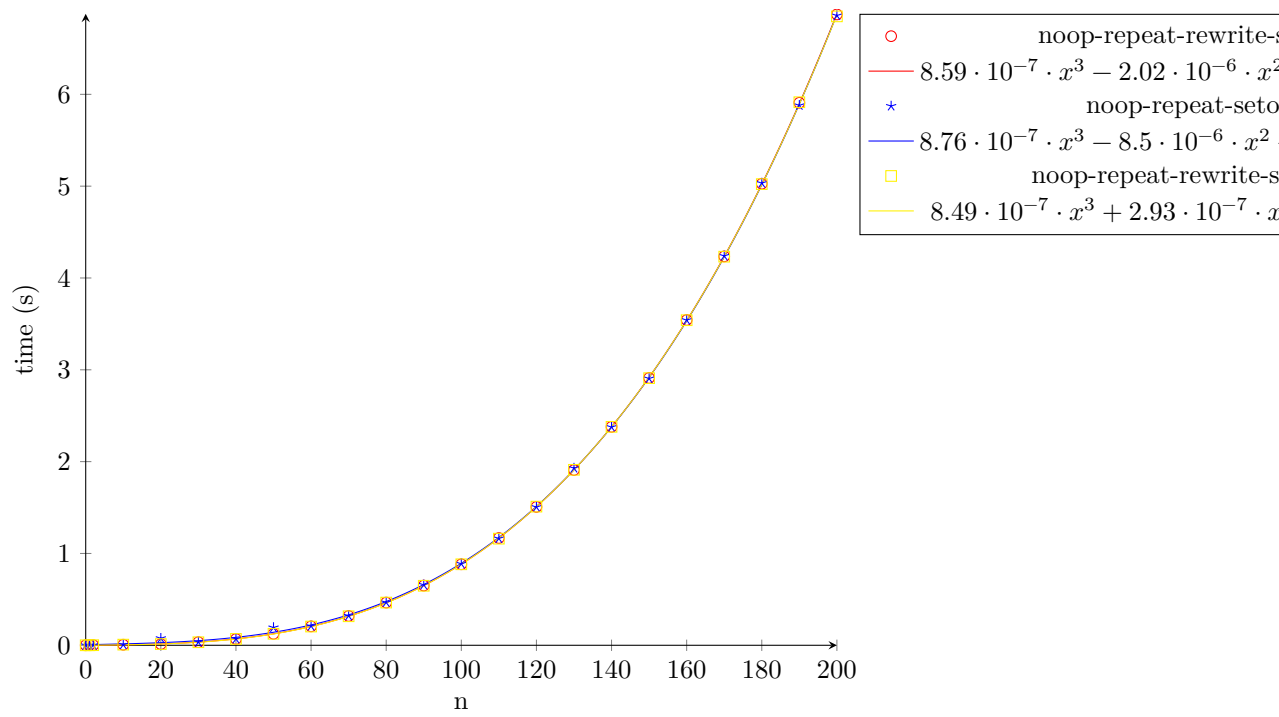
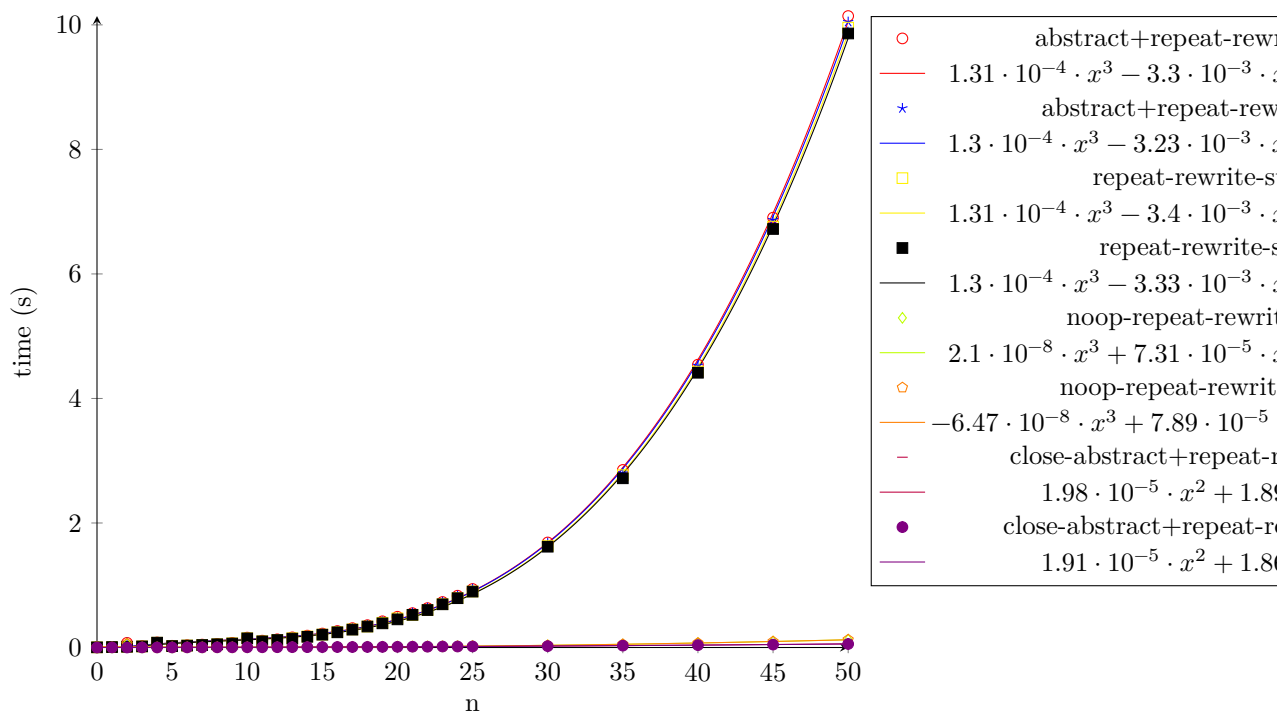Figure 4: timing-repeat-setoid-rewrite-under-binders-noop
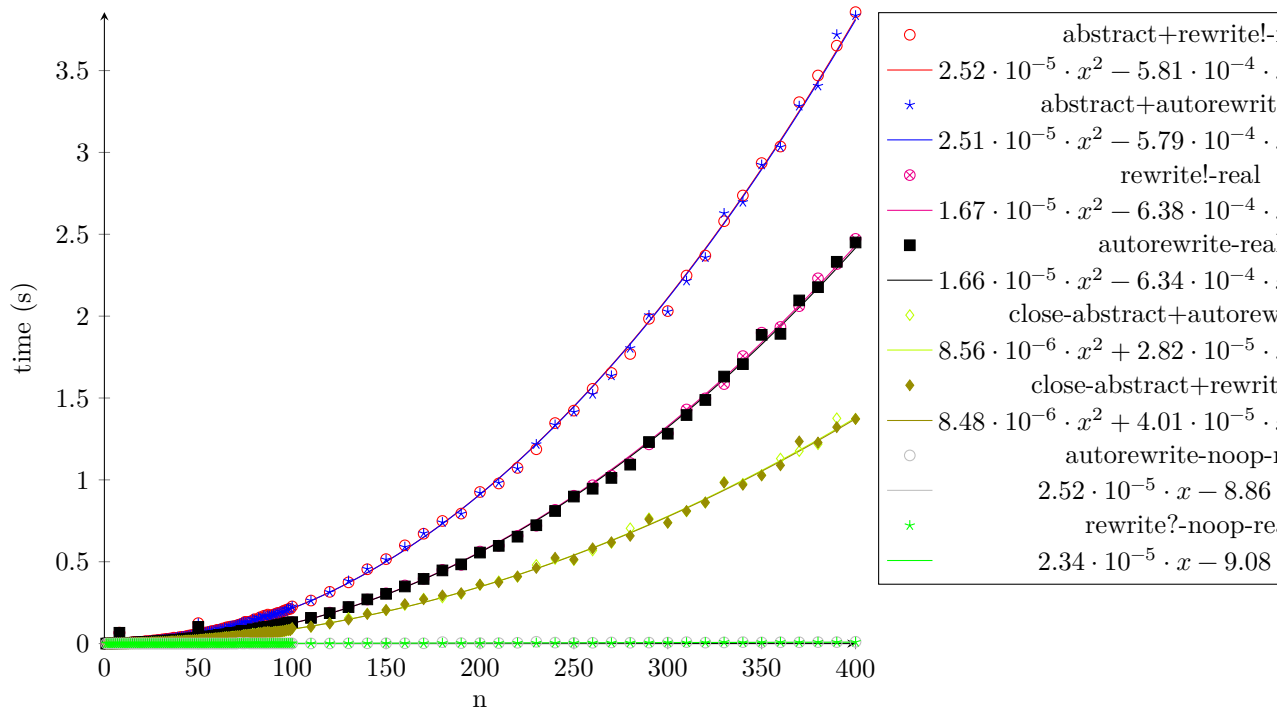
4

Figure 5: timing-rewrite-strat-under-binders
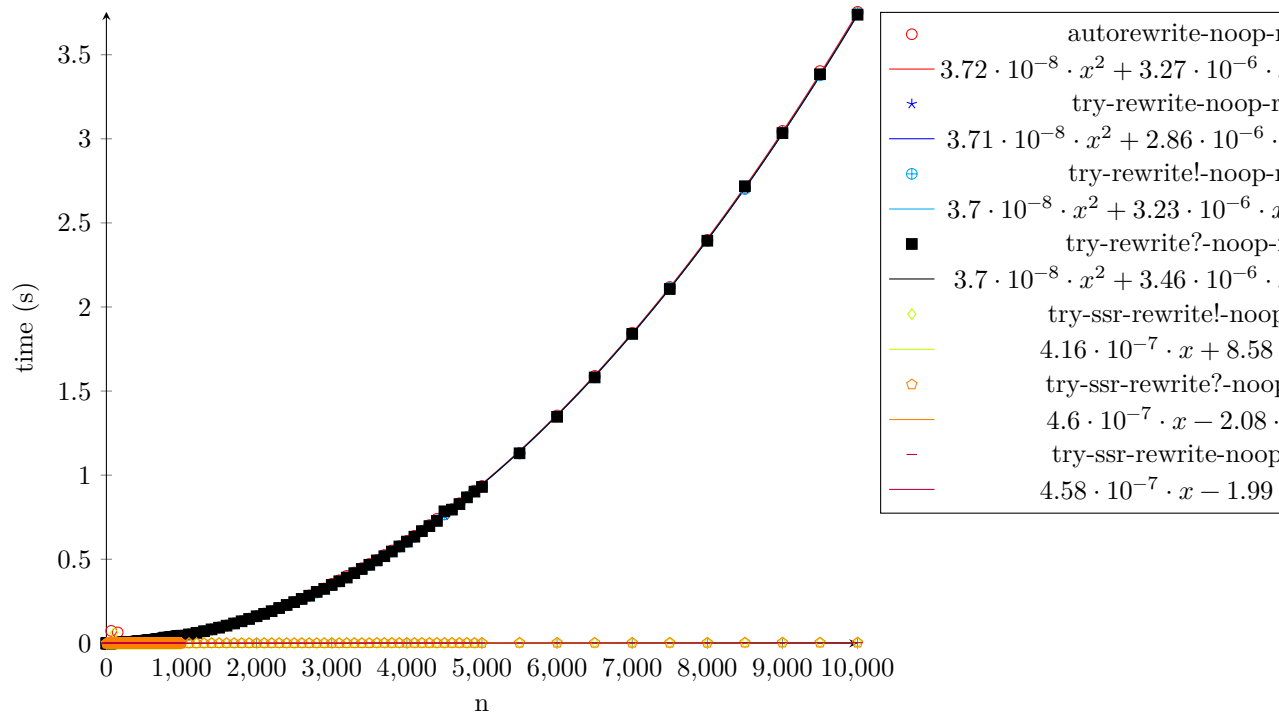
Figure 6: timing-rewrite-repeated-app-autorewrite

6

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

The figure legend contains the following entries:

- autorewrite-noop-r
- $3.72 \cdot 10^{-8} \cdot x^2 + 3.27 \cdot 10^{-6} \cdot$
- try-rewrite-noop-r
- $3.71 \cdot 10^{-8} \cdot x^2 + 2.86 \cdot 10^{-6} \cdot$
- try-rewrite!-noop-r
- $3.7 \cdot 10^{-8} \cdot x^2 + 3.23 \cdot 10^{-6} \cdot x$
- try-rewrite?-noop-r
- $3.7 \cdot 10^{-8} \cdot x^2 + 3.46 \cdot 10^{-6} \cdot$
- try-ssr-rewrite!-noop
- $4.16 \cdot 10^{-7} \cdot x + 8.58$
- try-ssr-rewrite?-noop
- $4.6 \cdot 10^{-7} \cdot x - 2.08 \cdot$
- try-ssr-rewrite-noop
- $4.58 \cdot 10^{-7} \cdot x - 1.99$

The plot axes are labeled "time (s)" (vertical) and "n" (horizontal).
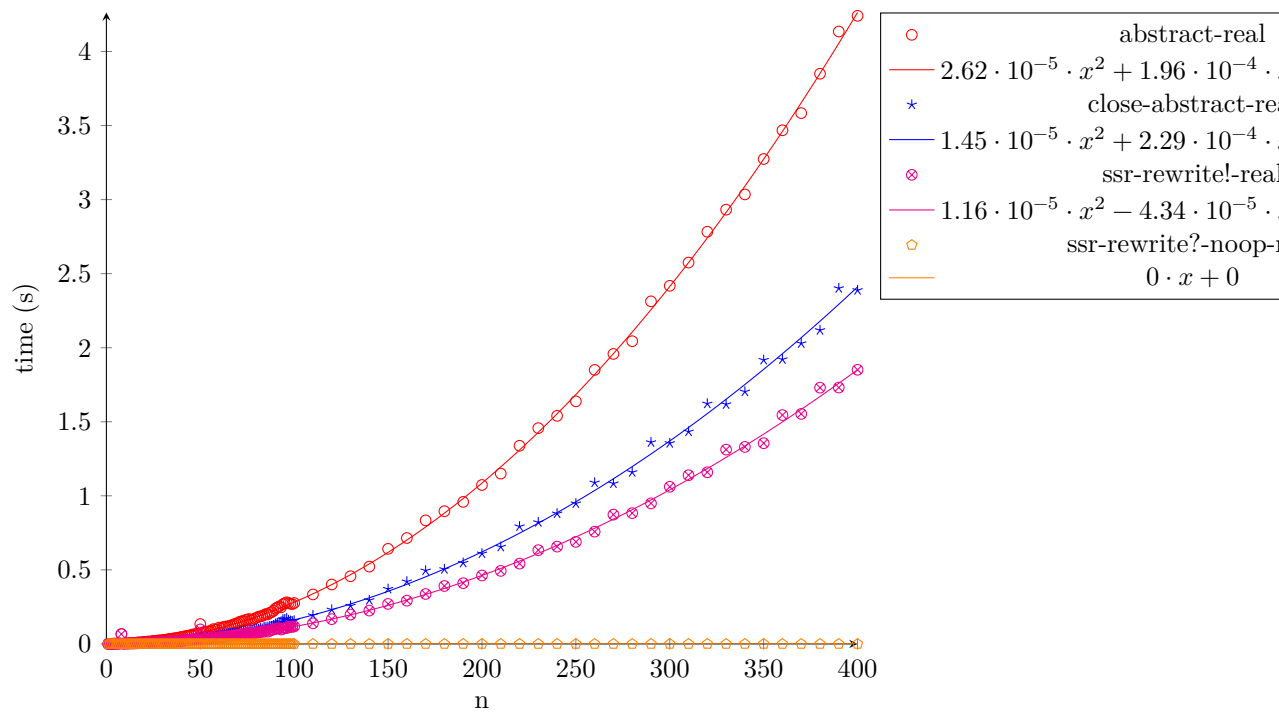
7

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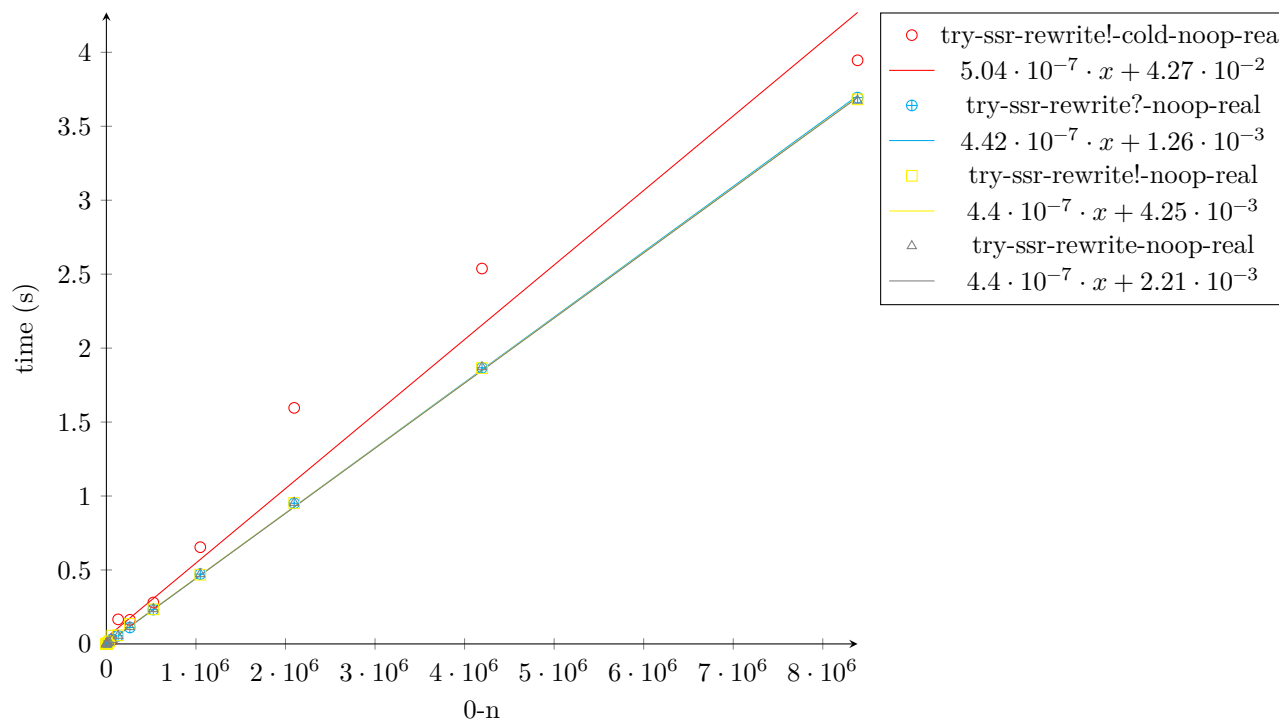
8

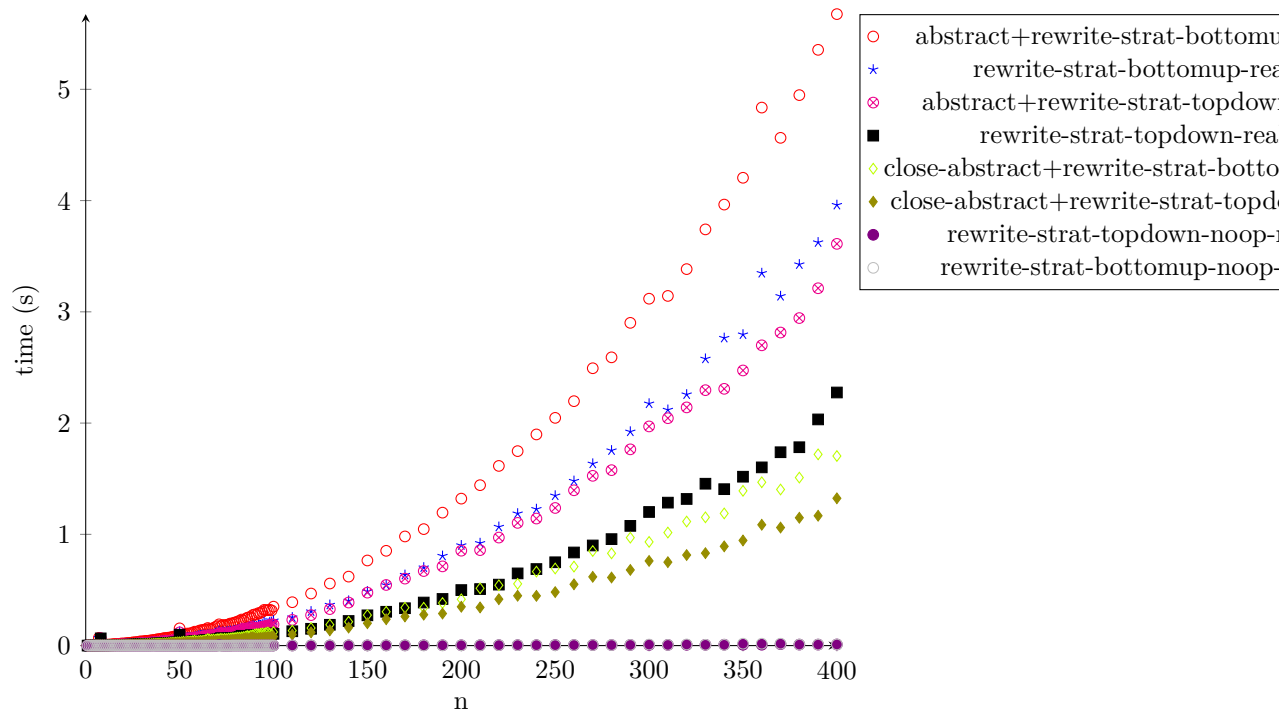Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn   1
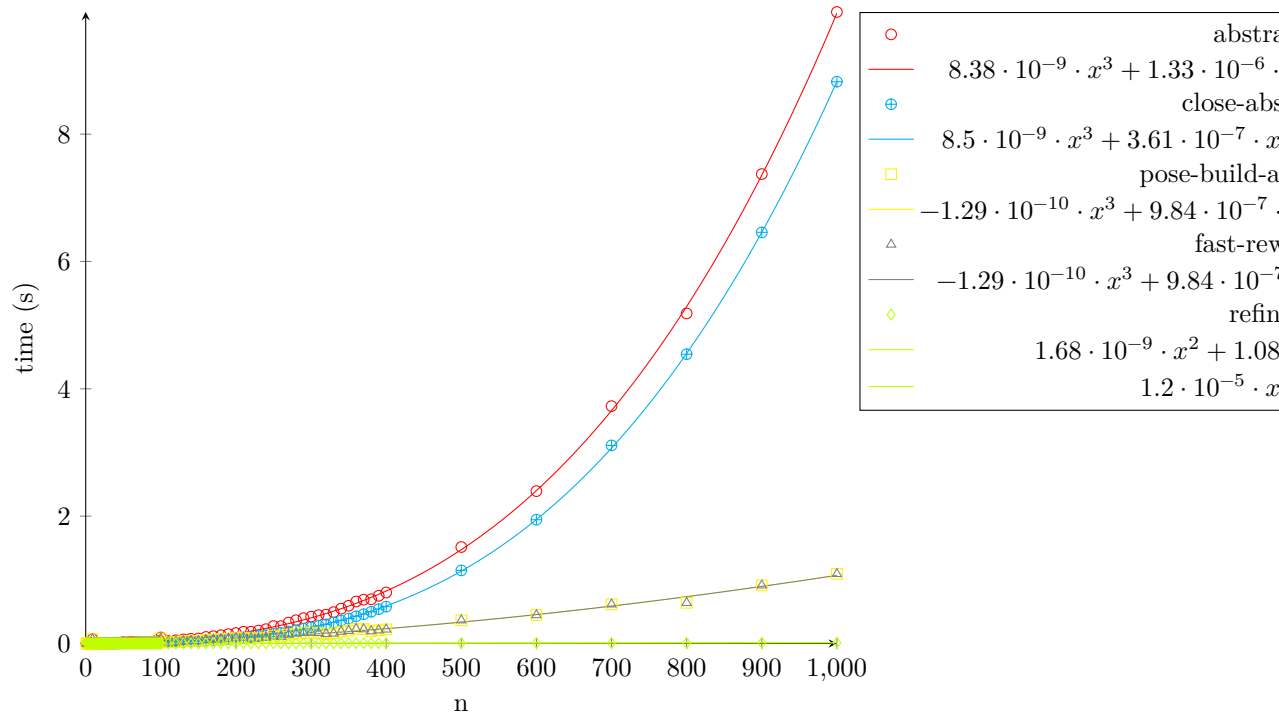
Figure 10: timing-rewrite-repeated-app-rewrite-strat
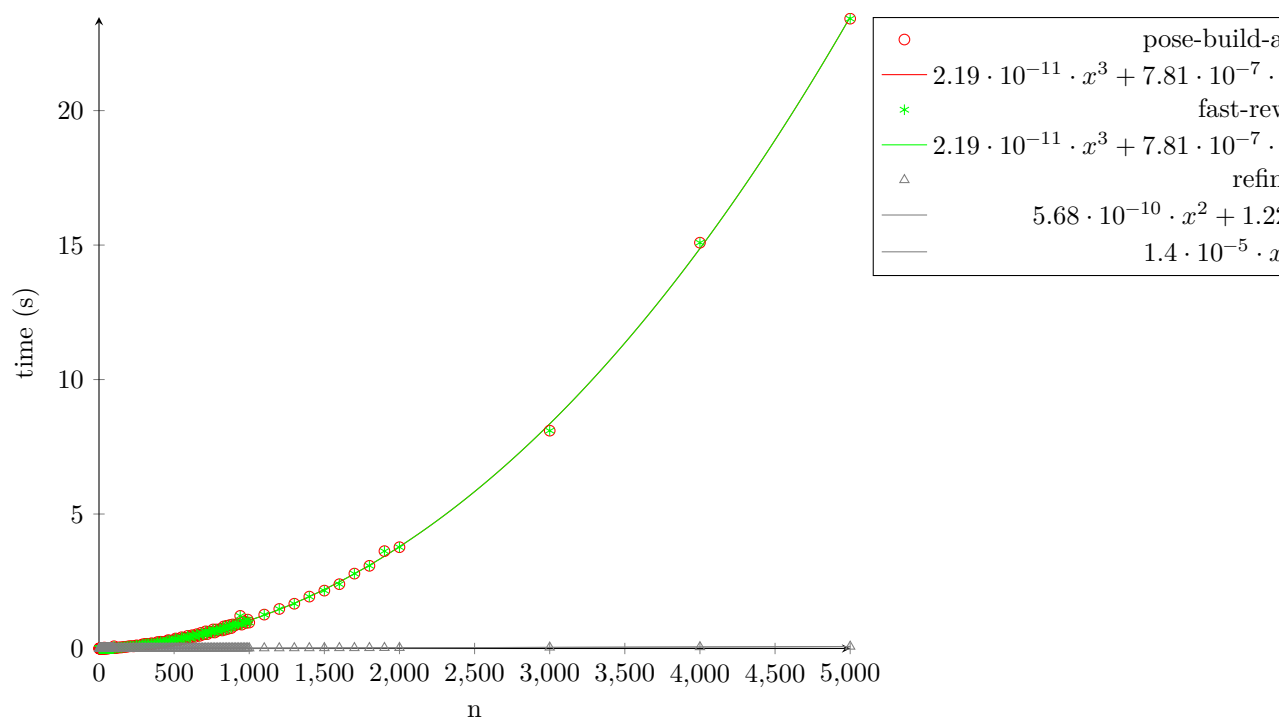
Figure 11: timing-rewrite-repeated-app-fast-rewrite

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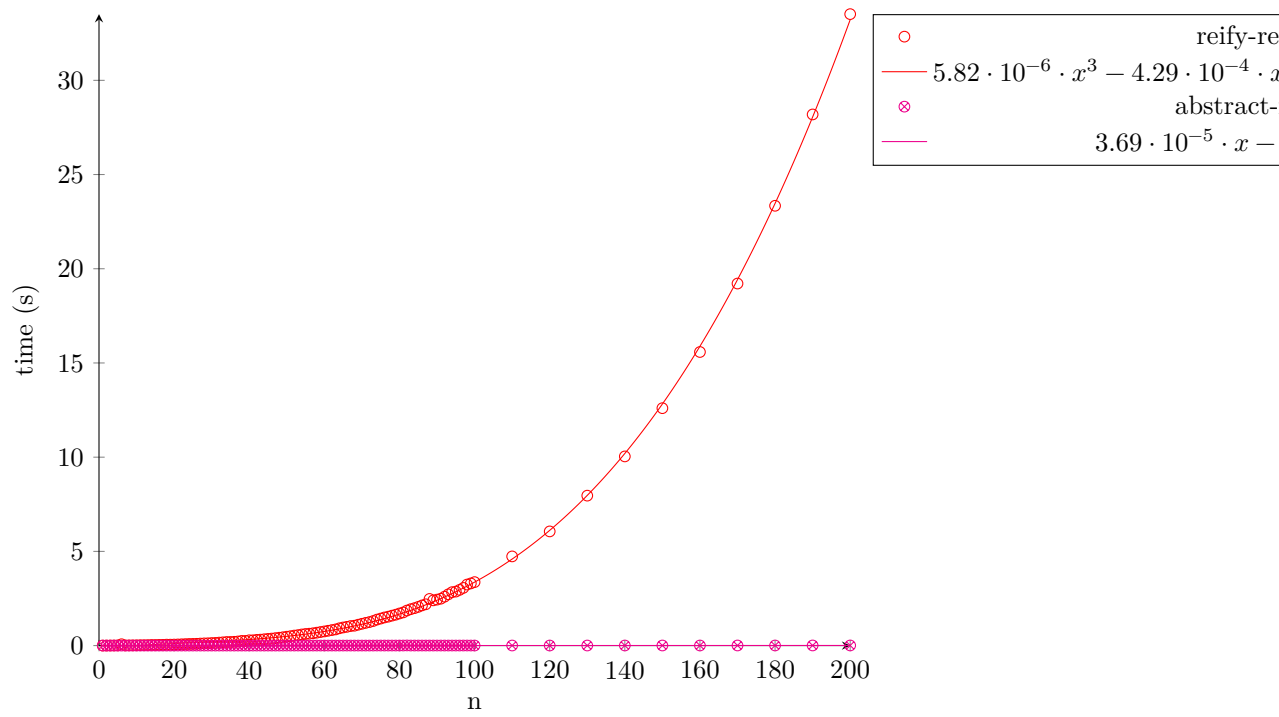Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract

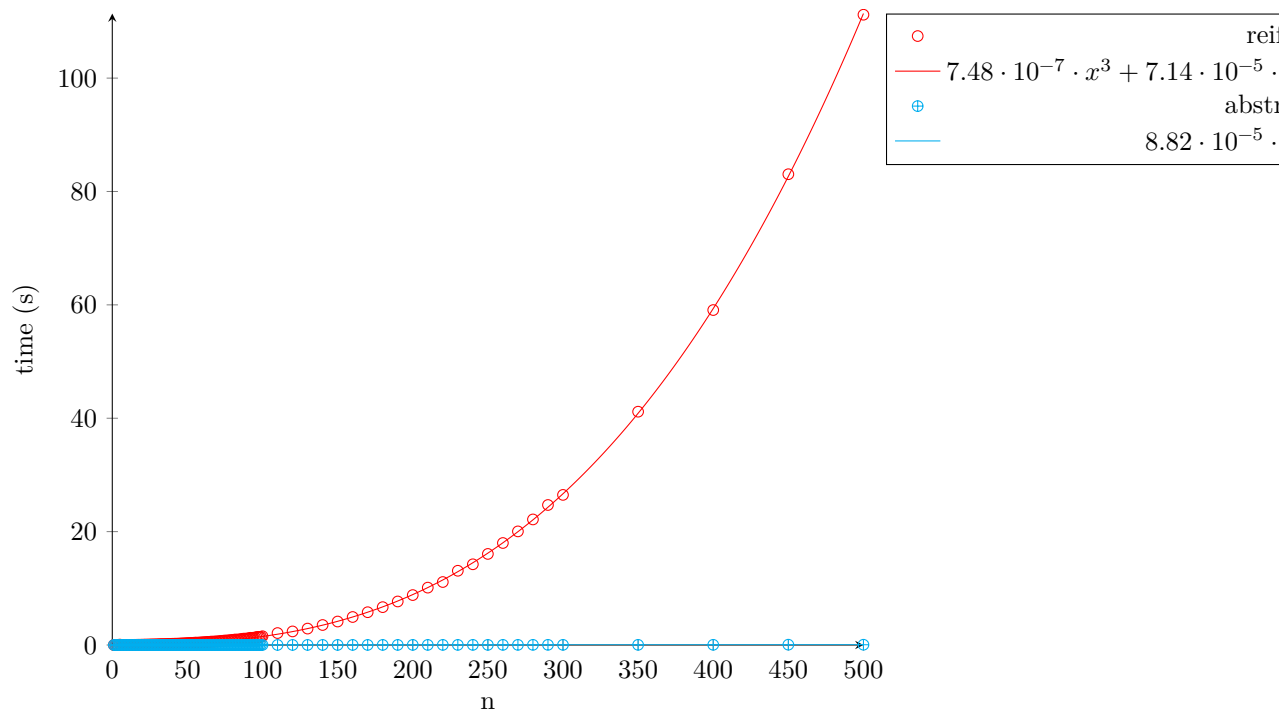Figure 13: timing-typeclass-reification-let-in-HOAS

13

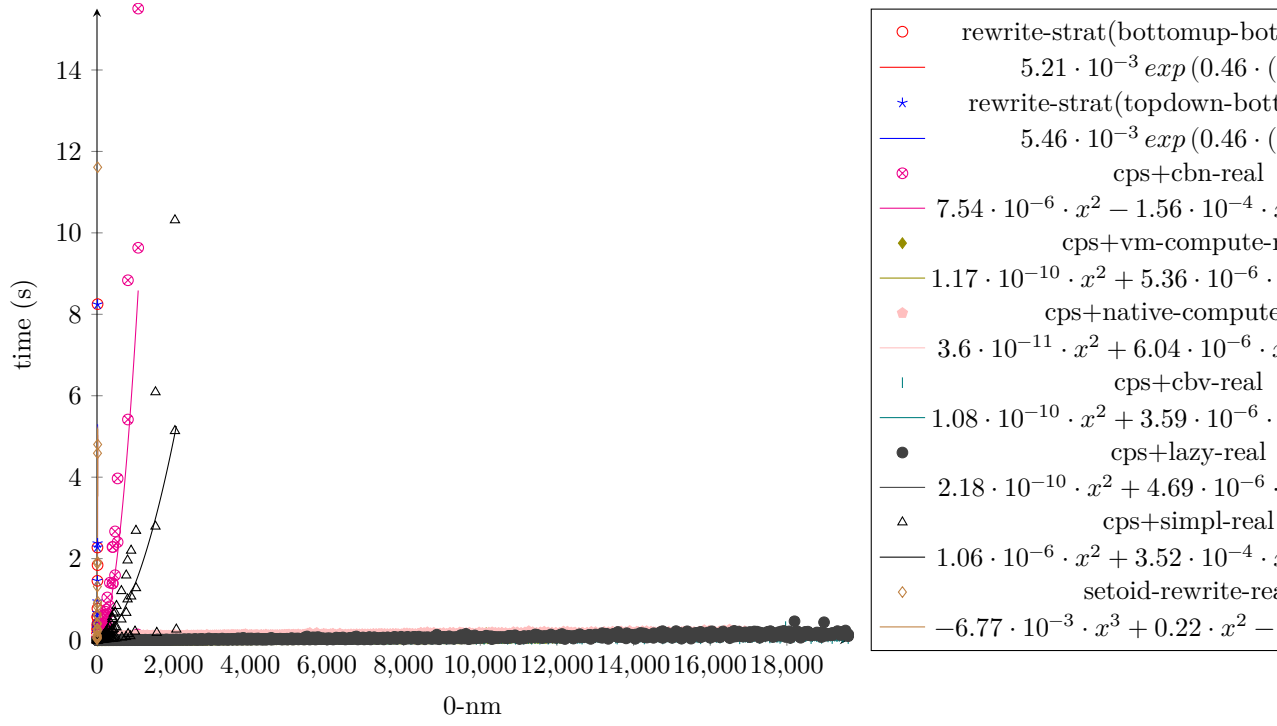Figure 14: timing-typeclass-reification-let-in-PHOAS

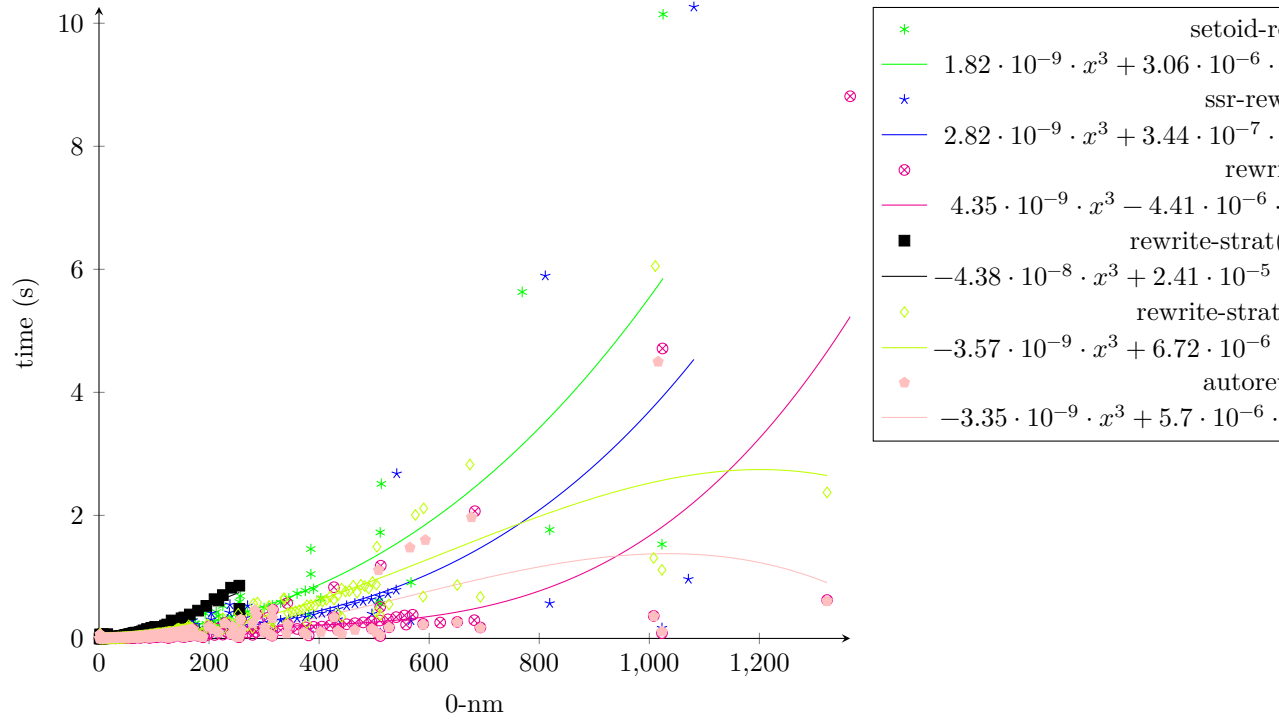Figure 15: timing-rewrite-lift-lets-map param-1-n 1, param-2-m 1

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
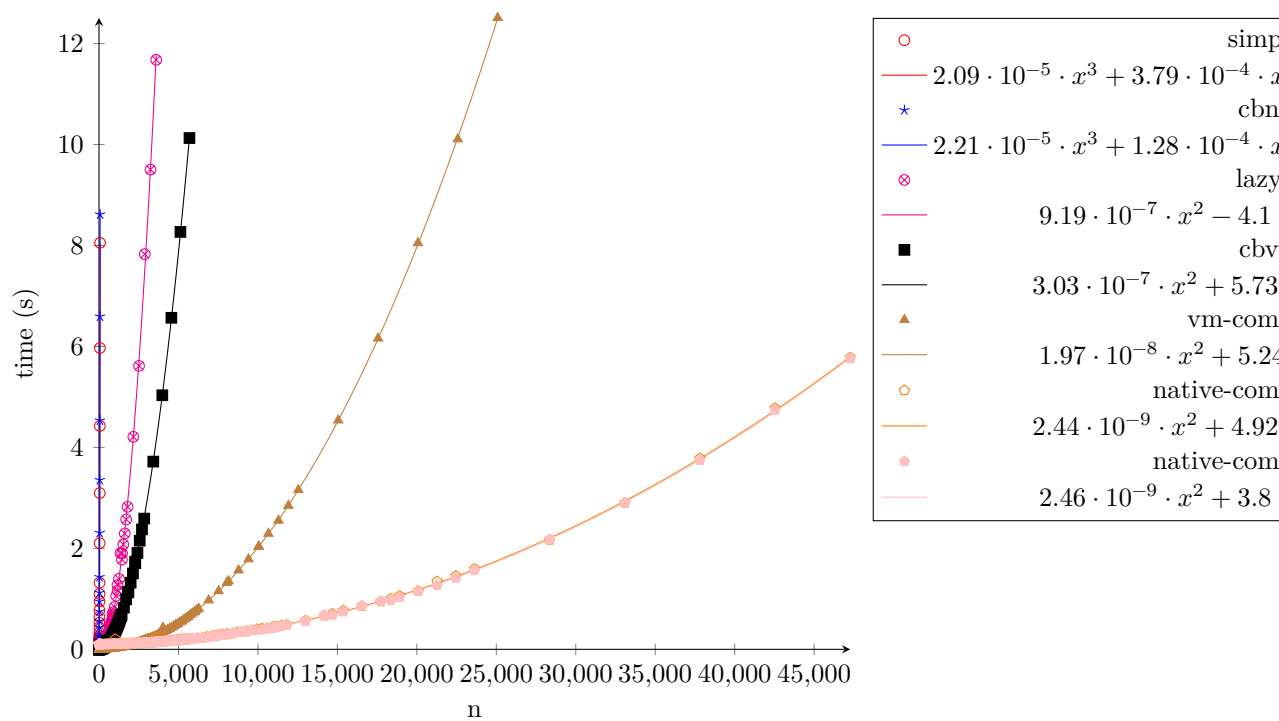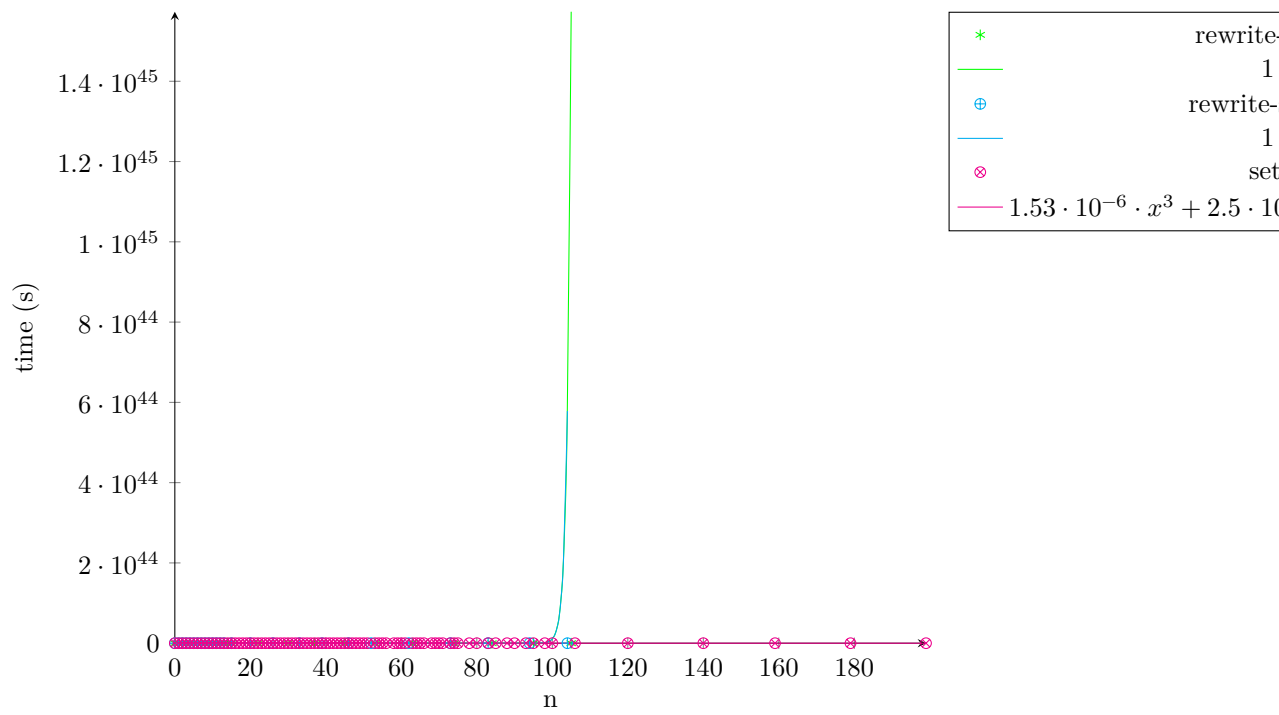
Figure 17: timing-sieve-of-eratosthenes

Figure 18: timing-rewrite-under-lets-plus-0