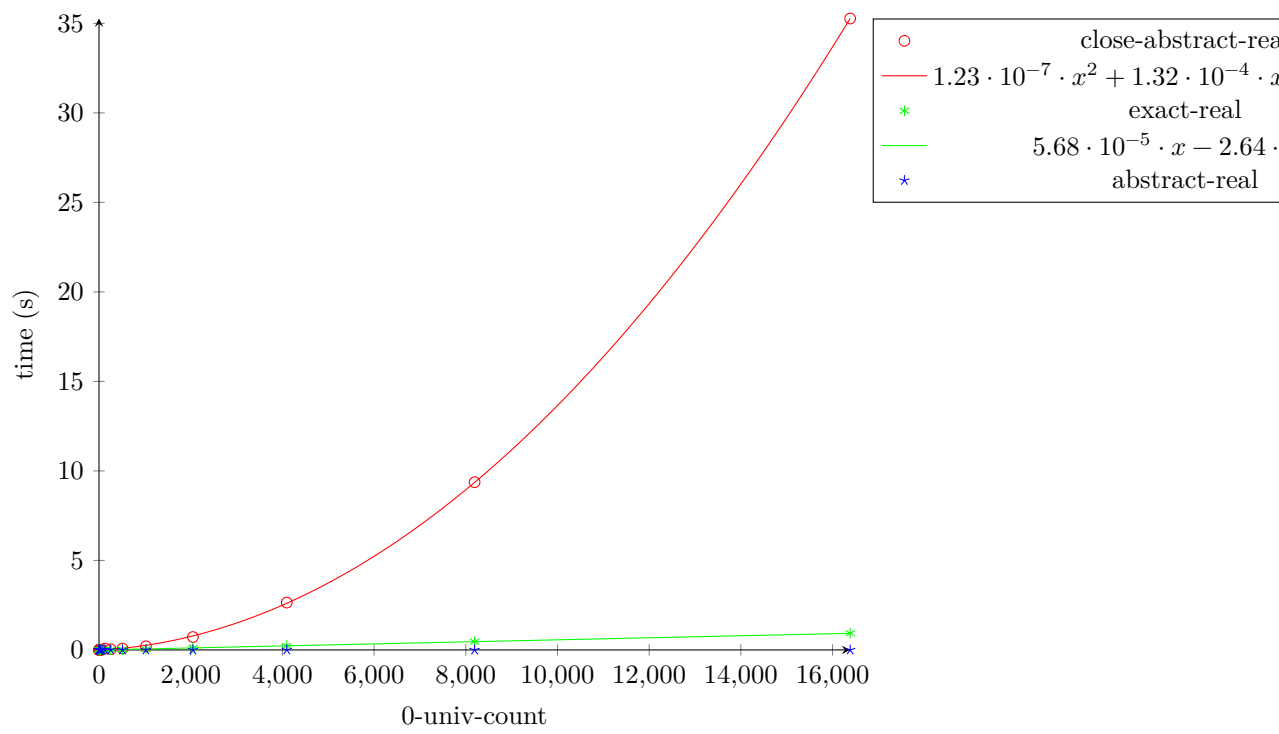Figure 1: timing-pattern

1

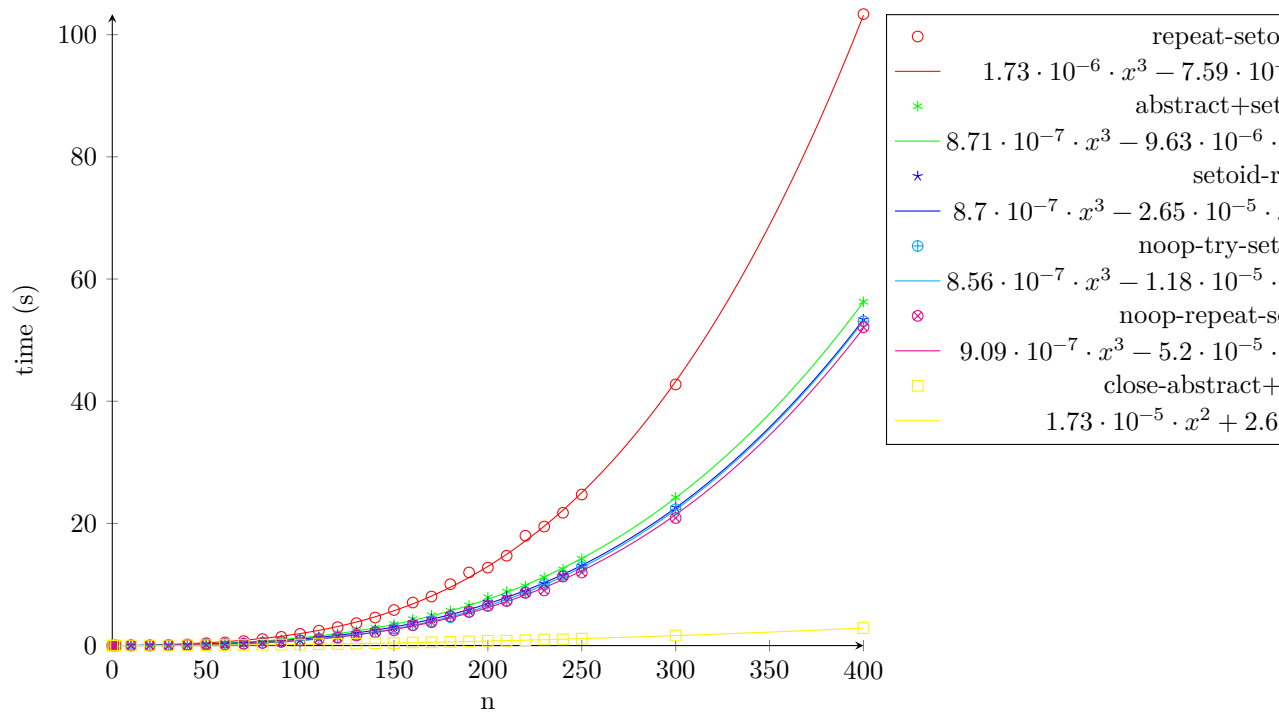Figure 2: timing-n-polymorphic-universes param-1-n 0

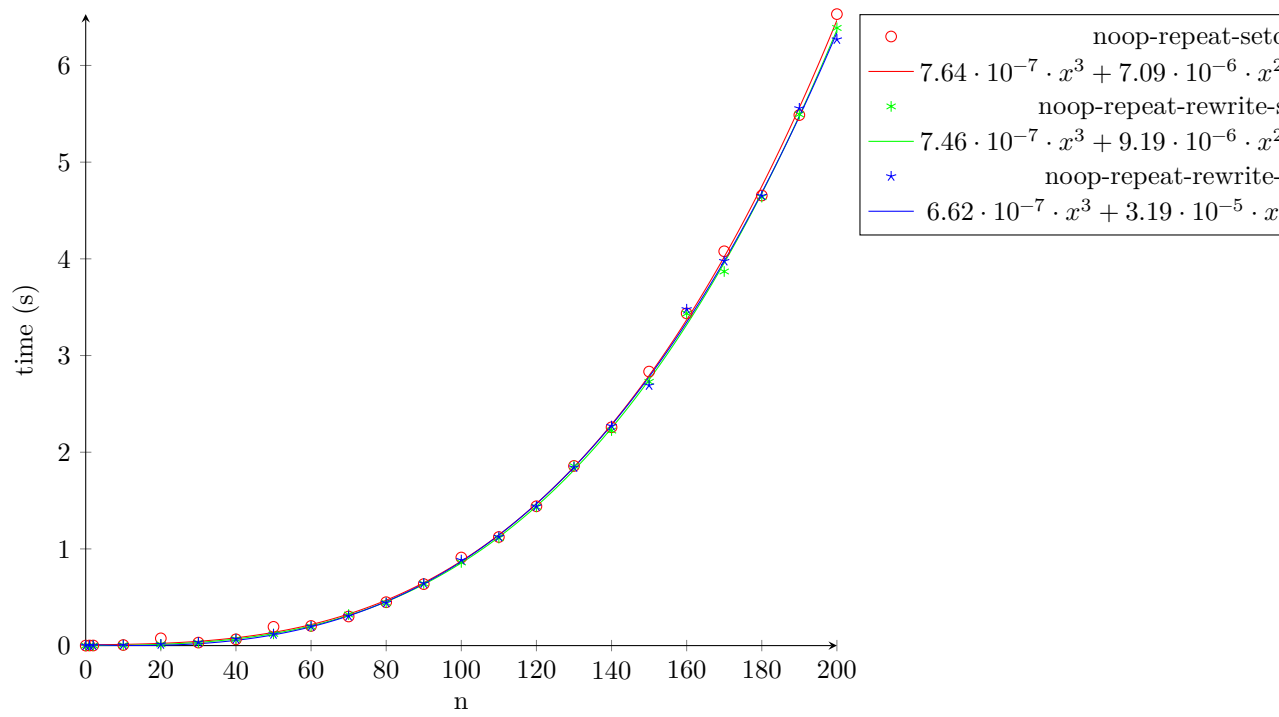Figure 3: timing-repeat-setoid-rewrite-under-binders

3

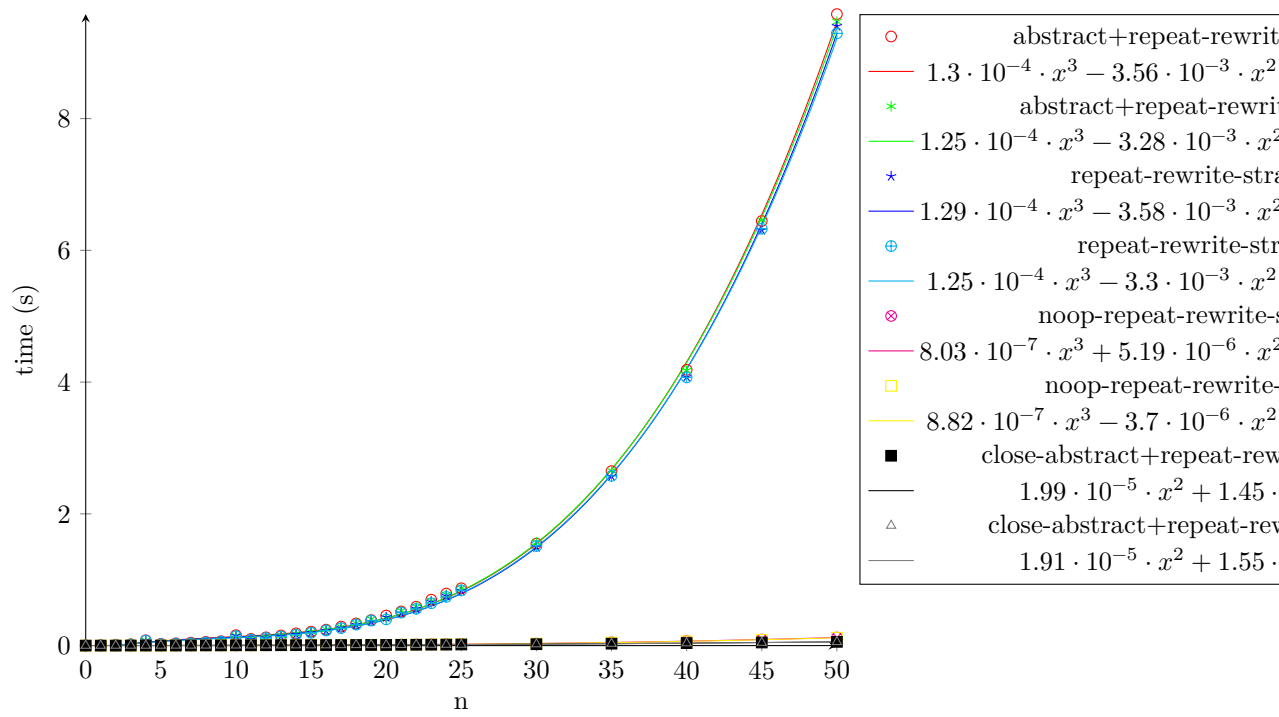Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

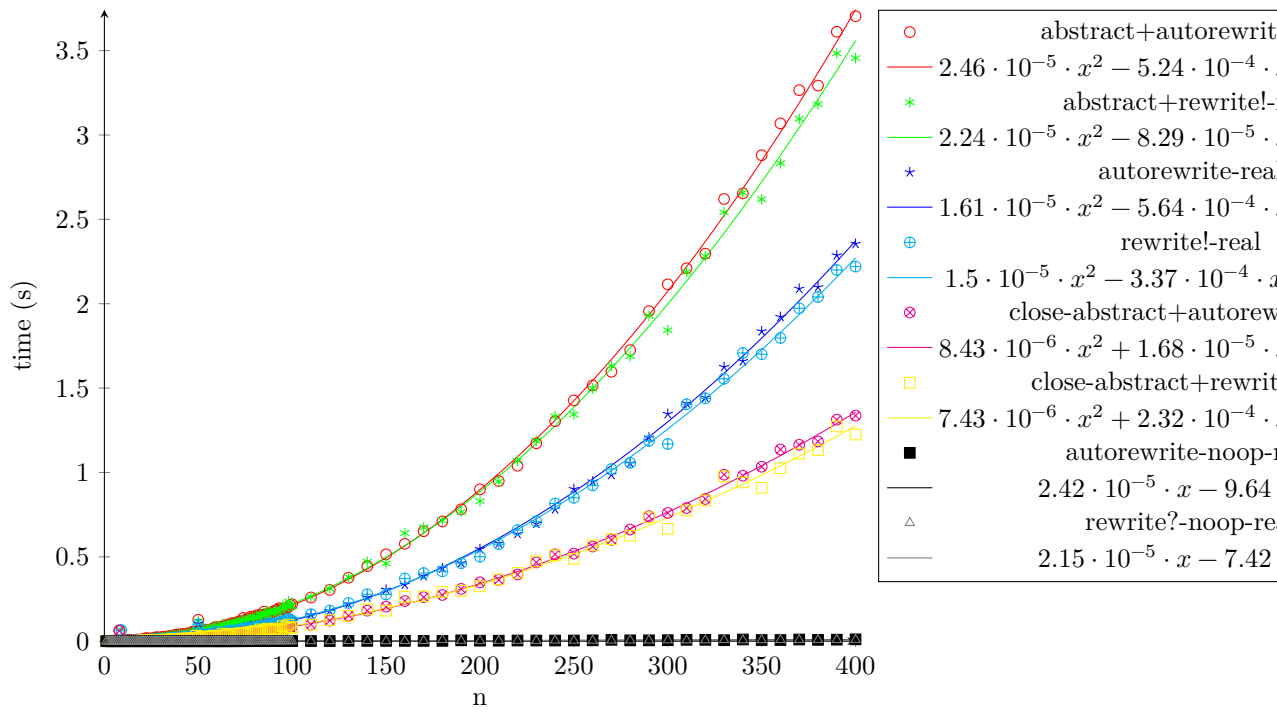Figure 5: timing-rewrite-strat-under-binders
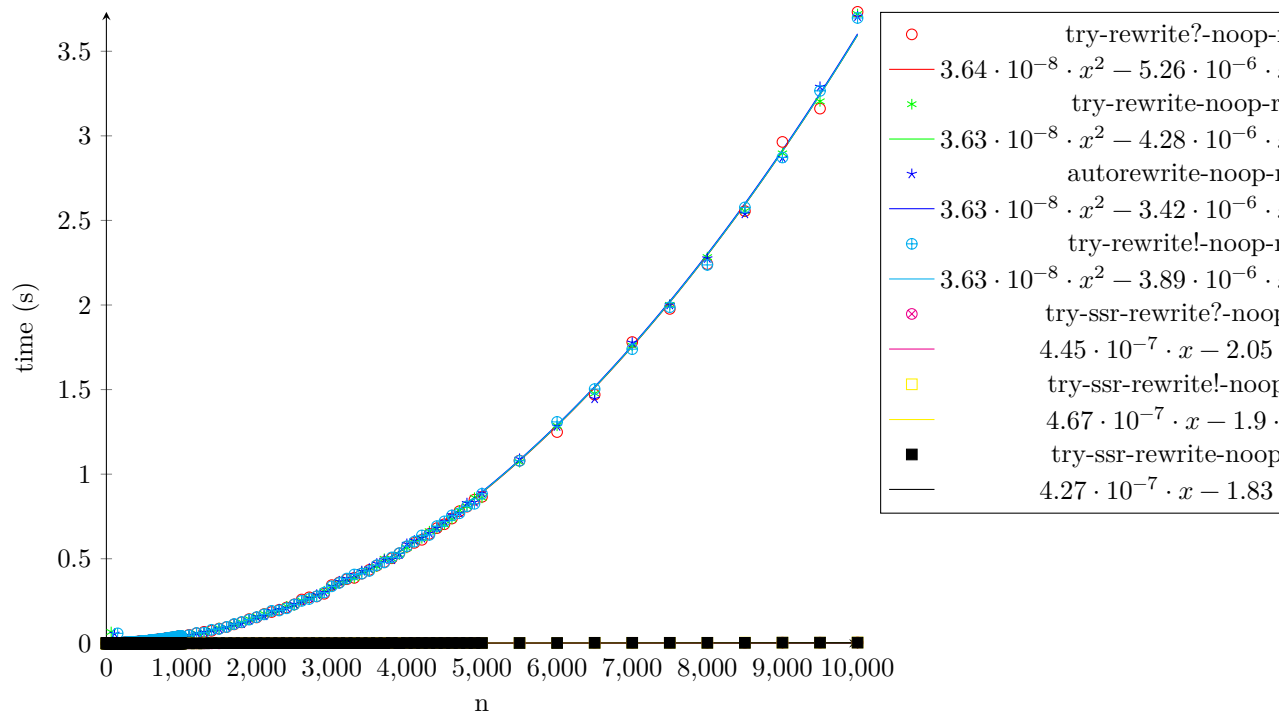
Figure 6: timing-rewrite-repeated-app-autorewrite

6

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

Legend (partially cut off):

- try-rewrite?-noop-...
- $3.64 \cdot 10^{-8} \cdot x^2 - 5.26 \cdot 10^{-6} \cdot x$
- try-rewrite-noop-...
- $3.63 \cdot 10^{-8} \cdot x^2 - 4.28 \cdot 10^{-6} \cdot x$
- autorewrite-noop-...
- $3.63 \cdot 10^{-8} \cdot x^2 - 3.42 \cdot 10^{-6} \cdot x$
- try-rewrite!-noop-...
- $3.63 \cdot 10^{-8} \cdot x^2 - 3.89 \cdot 10^{-6} \cdot x$
- try-ssr-rewrite?-noop...
- $4.45 \cdot 10^{-7} \cdot x - 2.05$
- try-ssr-rewrite!-noop...
- $4.67 \cdot 10^{-7} \cdot x - 1.9$
- try-ssr-rewrite-noop...
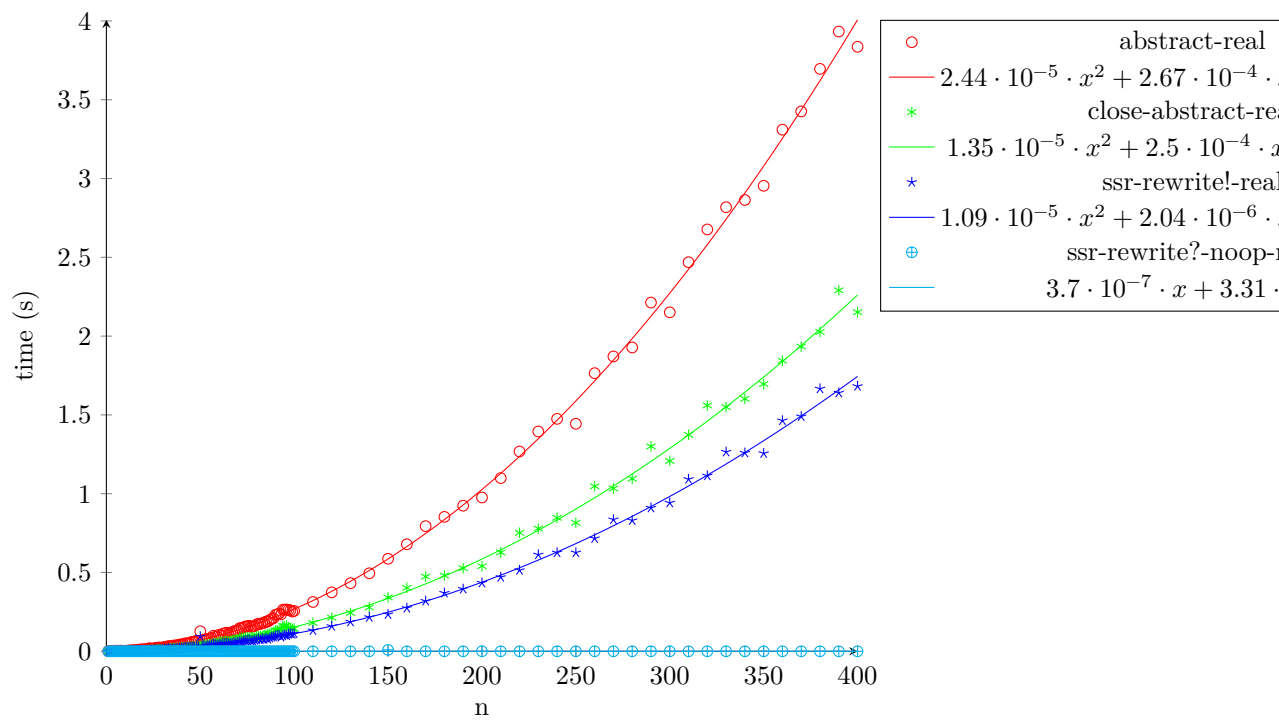- $4.27 \cdot 10^{-7} \cdot x - 1.83$

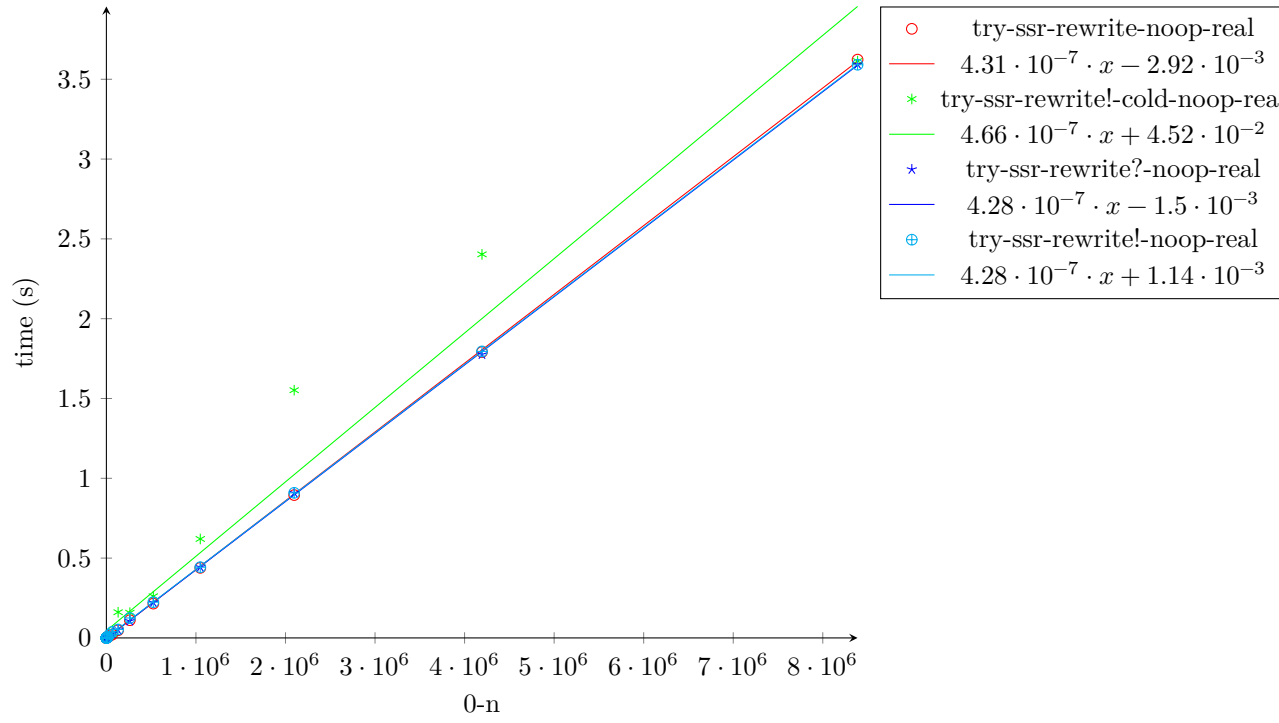Figure 8: timing-rewrite-repeated-app-ssrrewrite

8

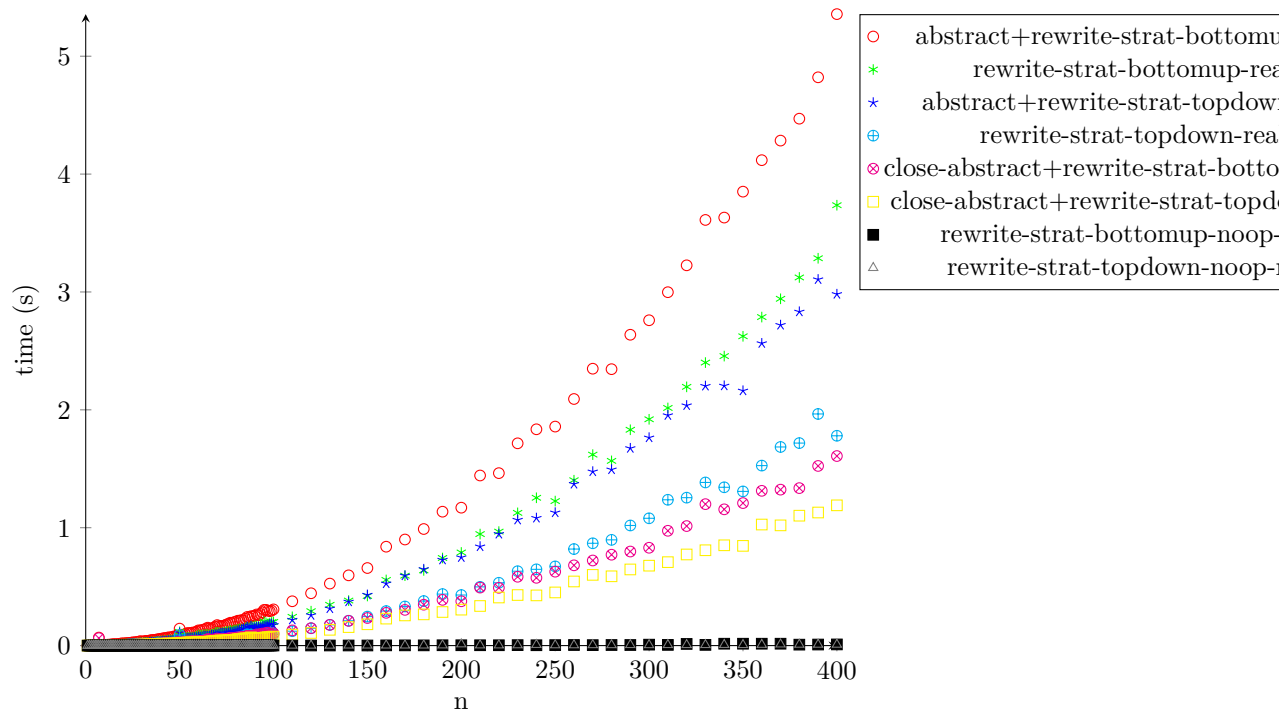Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn 1

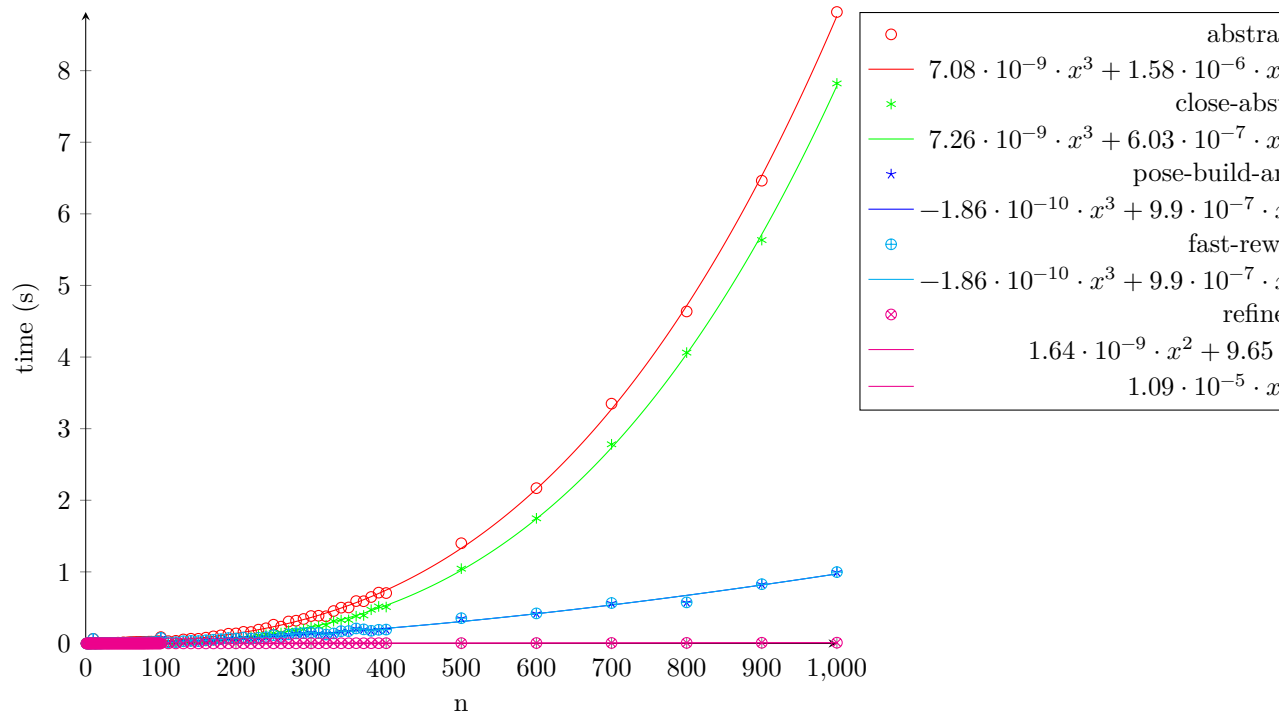Figure 10: timing-rewrite-repeated-app-rewrite-strat

10

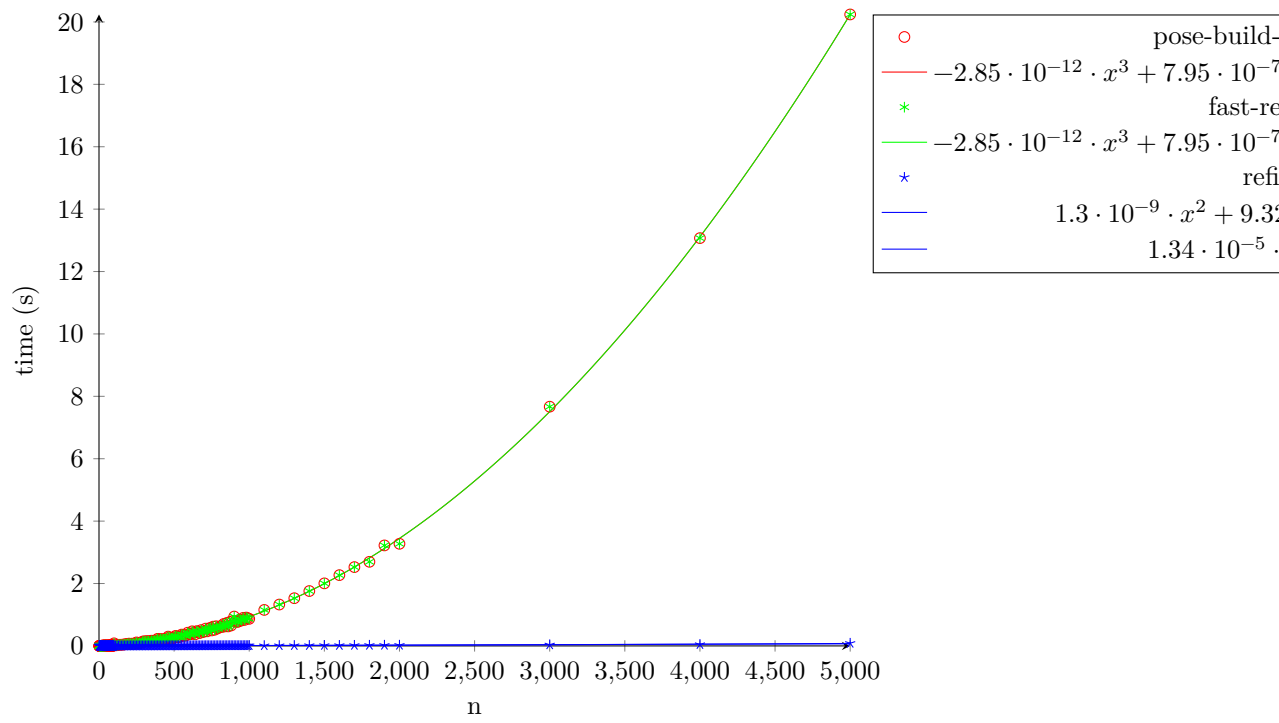Figure 11: timing-rewrite-repeated-app-fast-rewrite

11

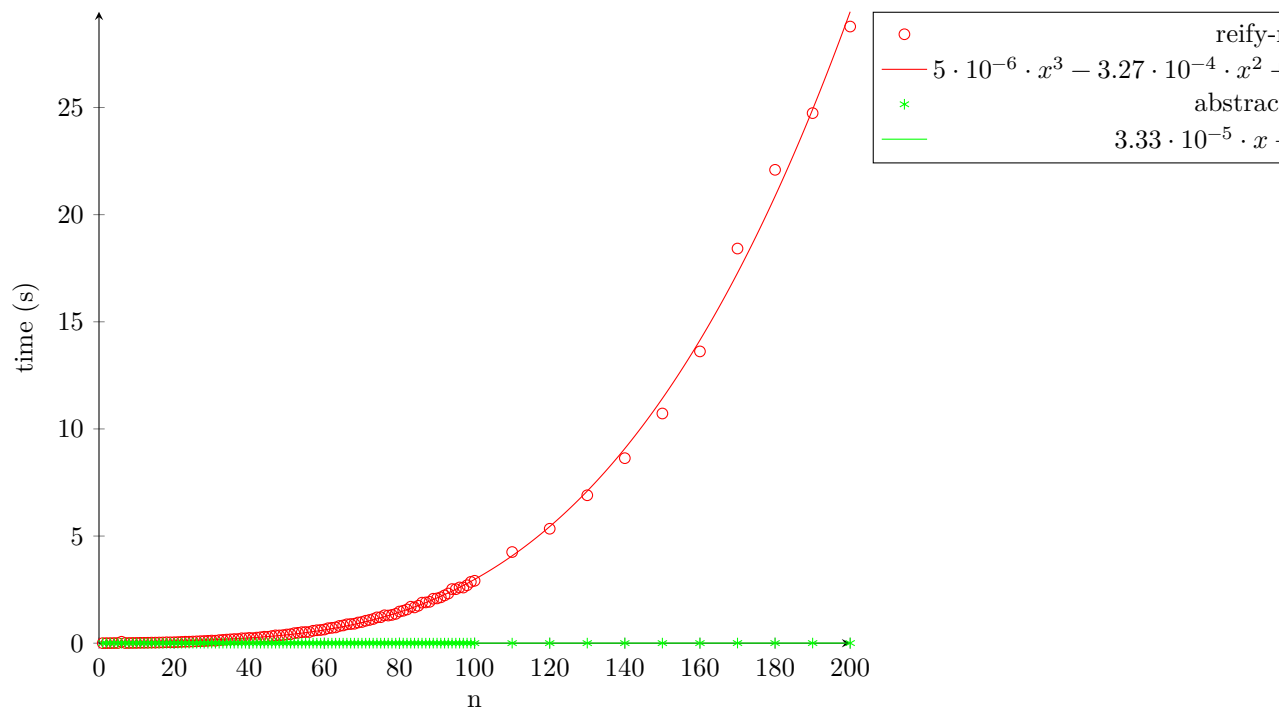Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract

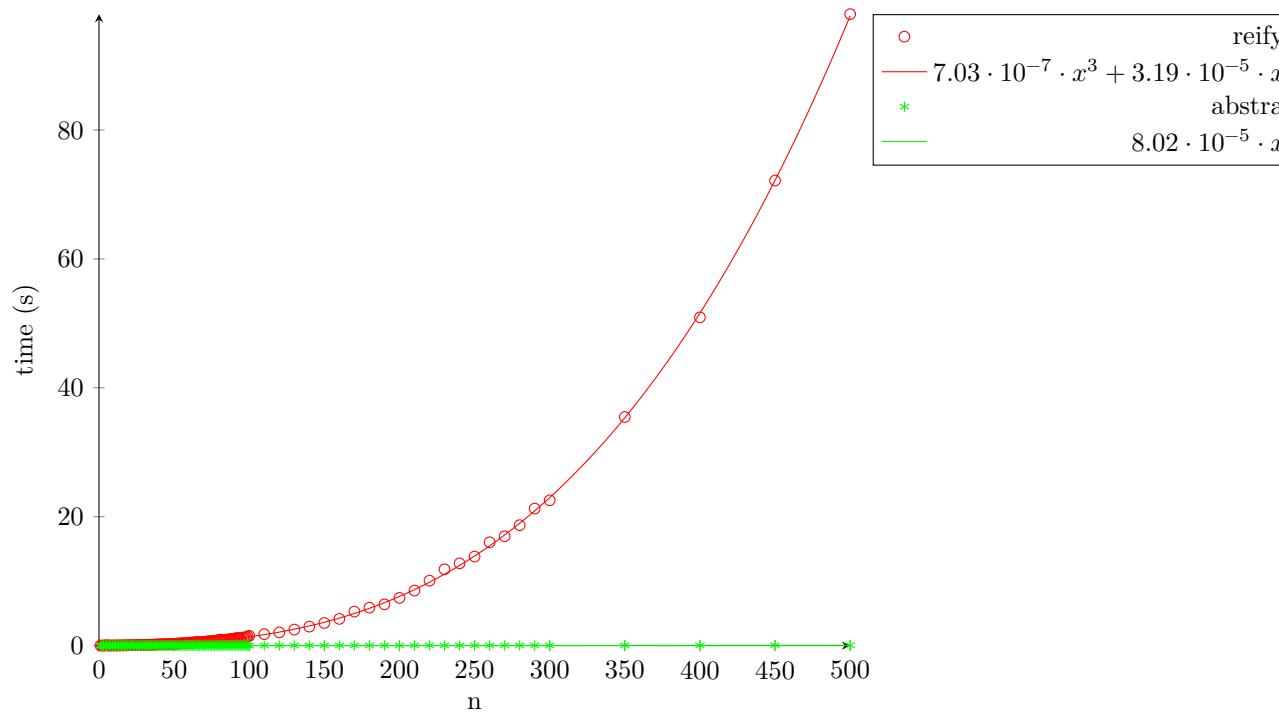Figure 13: timing-typeclass-reification-let-in-HOAS

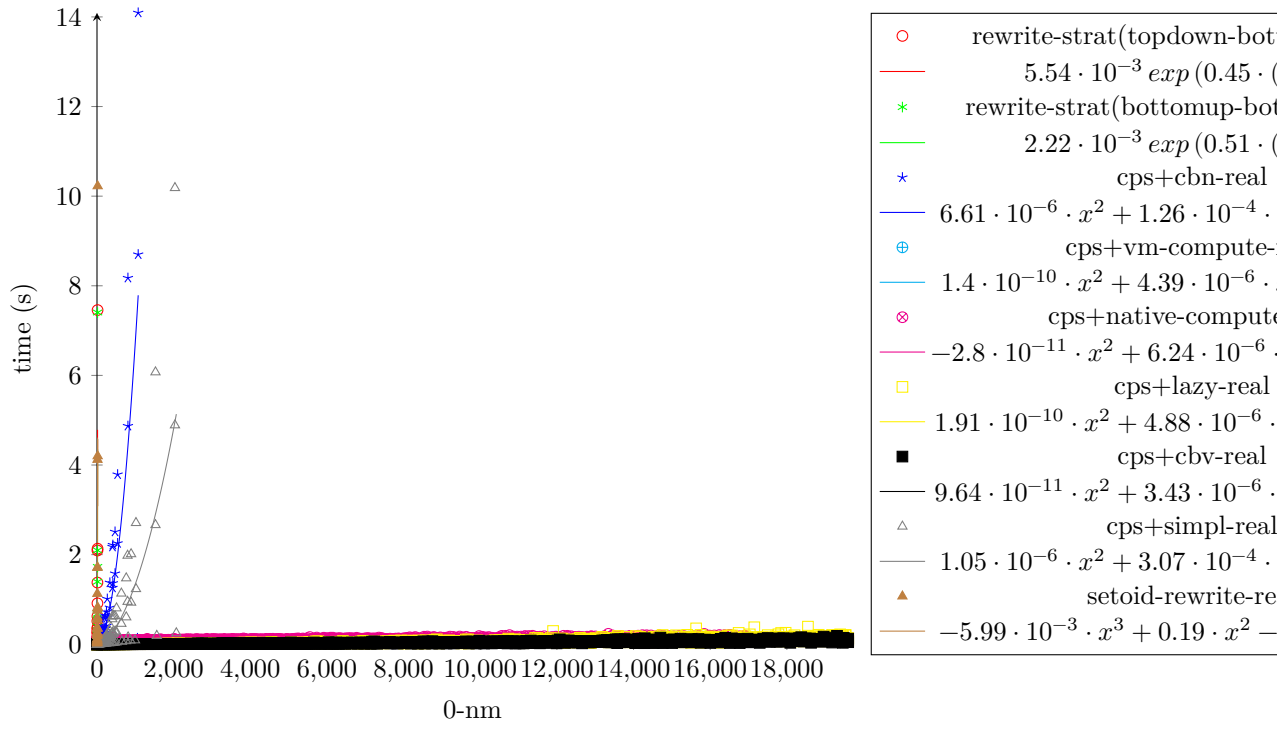Figure 14: timing-typeclass-reification-let-in-PHOAS

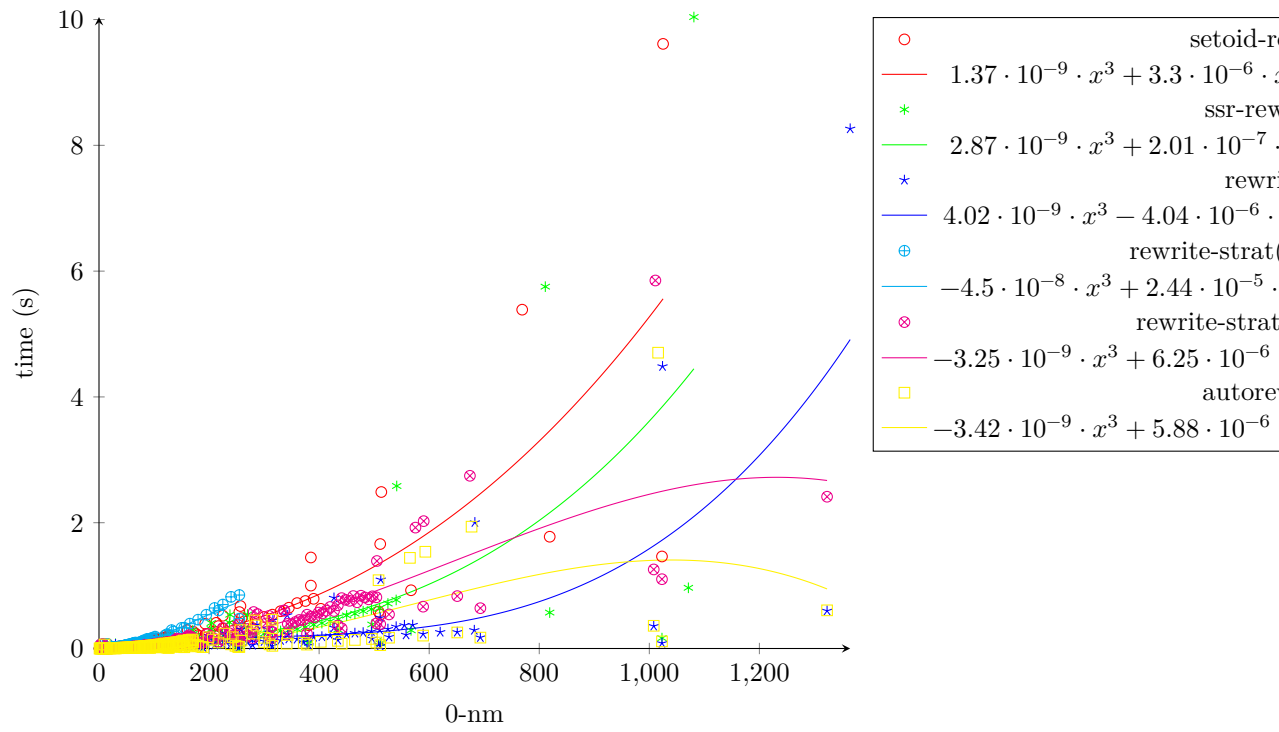Figure 15: timing-rewrite-lift-lets-map param-1-n 1, param-2-m 1

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
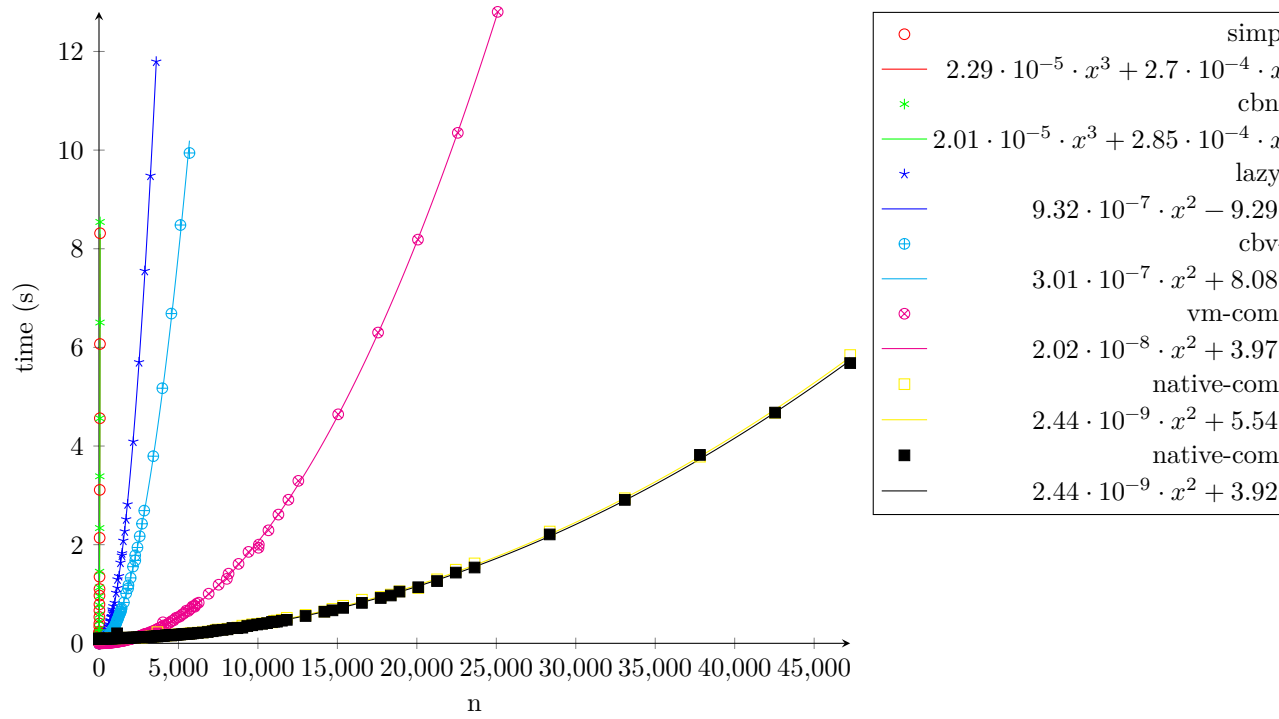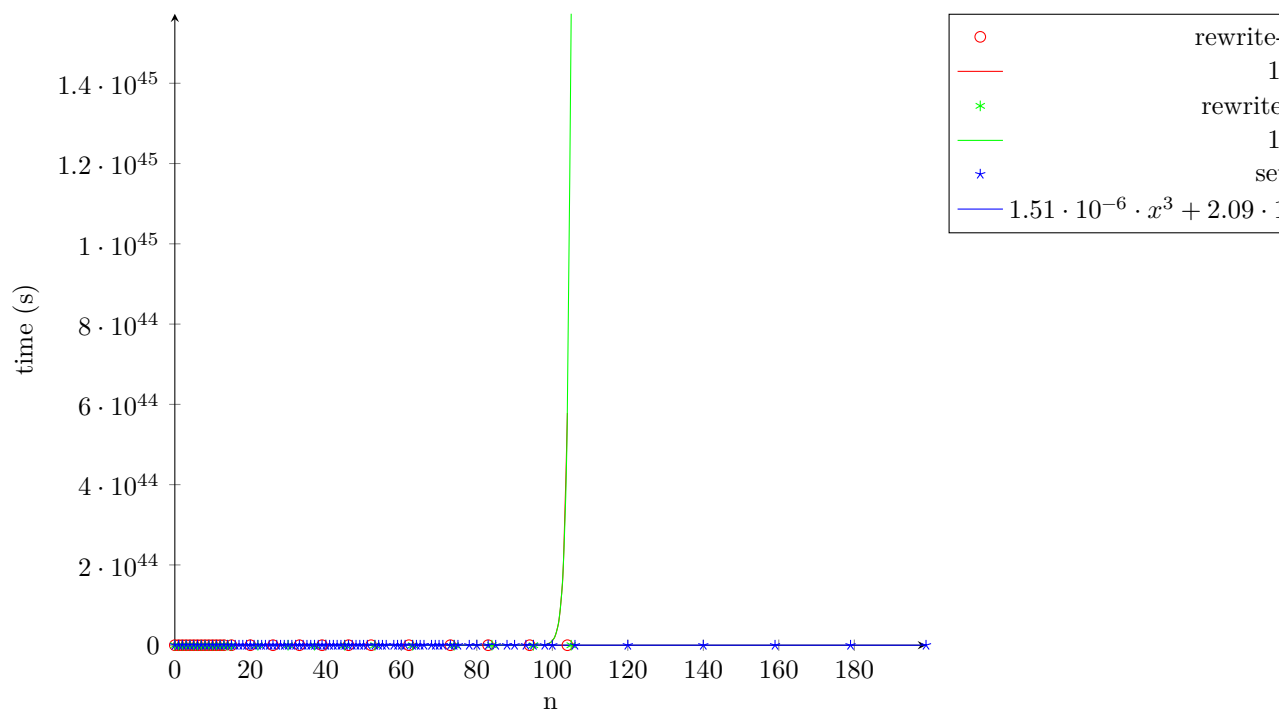
Figure 17: timing-sieve-of-eratosthenes

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