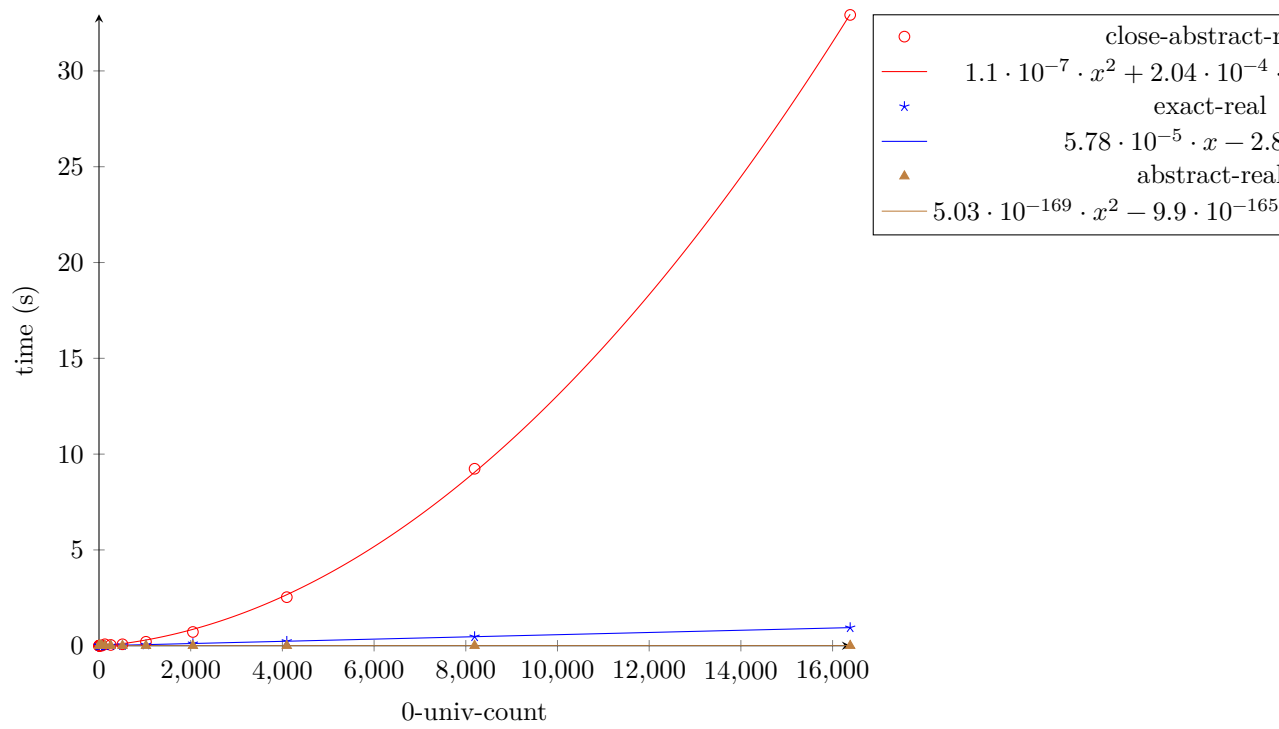Figure 1: timing-pattern

1

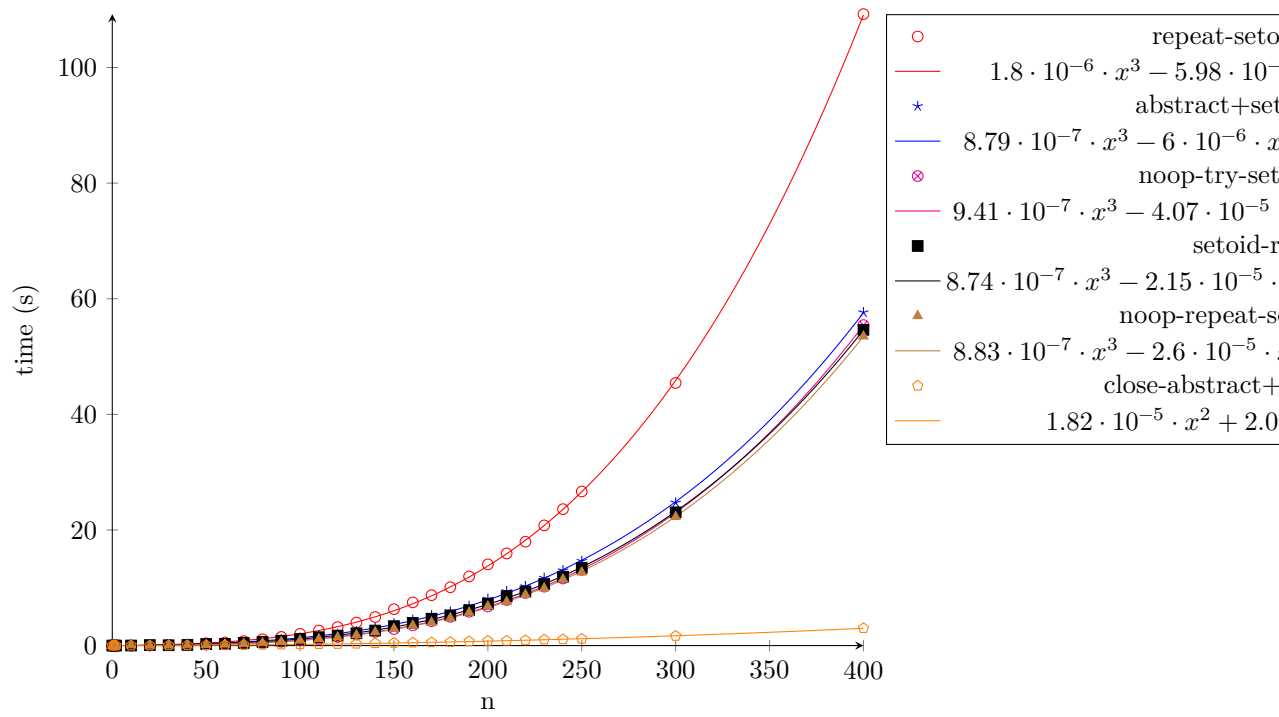Figure 2: timing-n-polymorphic-universes param-1-n   0

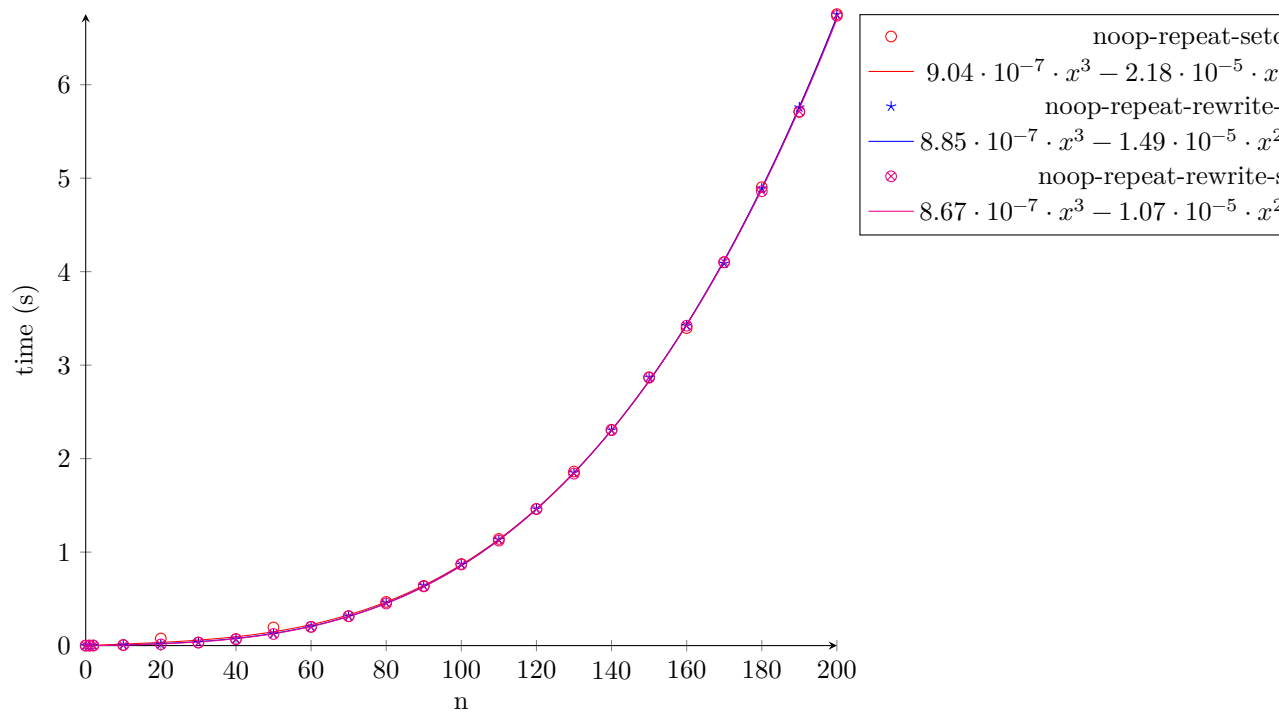Figure 3: timing-repeat-setoid-rewrite-under-binders

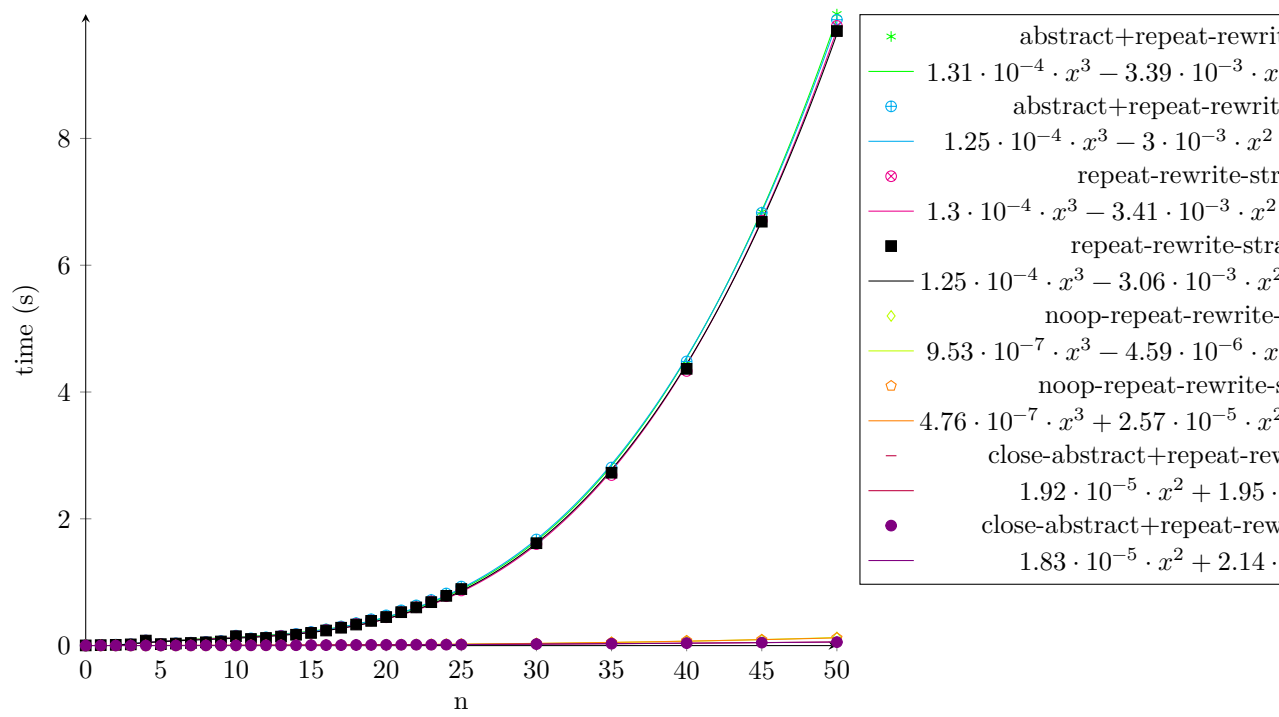Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

4

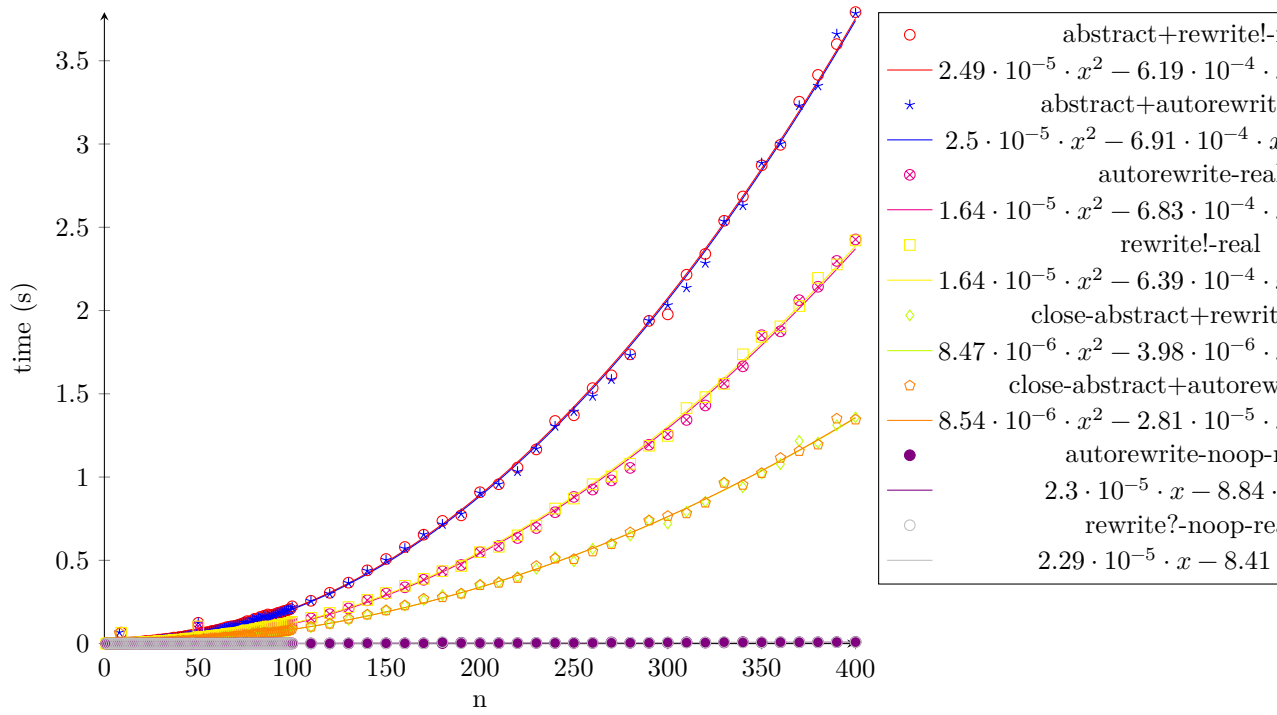Figure 5: timing-rewrite-strat-under-binders
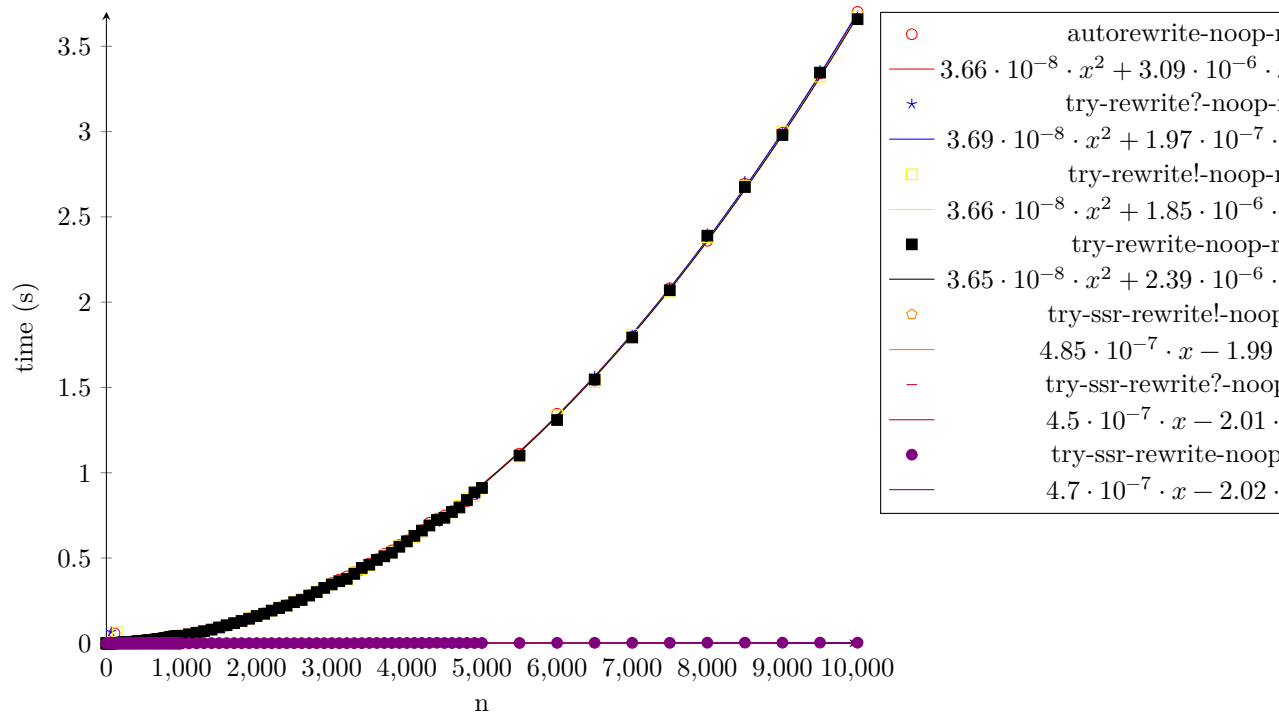
Figure 6: timing-rewrite-repeated-app-autorewrite

6

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

The chart legend includes:
- autorewrite-noop-
- $3.66 \cdot 10^{-8} \cdot x^2 + 3.09 \cdot 10^{-6} \cdot$
- try-rewrite?-noop-
- $3.69 \cdot 10^{-8} \cdot x^2 + 1.97 \cdot 10^{-7} \cdot$
- try-rewrite!-noop-
- $3.66 \cdot 10^{-8} \cdot x^2 + 1.85 \cdot 10^{-6} \cdot$
- try-rewrite-noop-
- $3.65 \cdot 10^{-8} \cdot x^2 + 2.39 \cdot 10^{-6} \cdot$
- try-ssr-rewrite!-noop
- $4.85 \cdot 10^{-7} \cdot x - 1.99$
- try-ssr-rewrite?-noop
- $4.5 \cdot 10^{-7} \cdot x - 2.01 \cdot$
- try-ssr-rewrite-noop
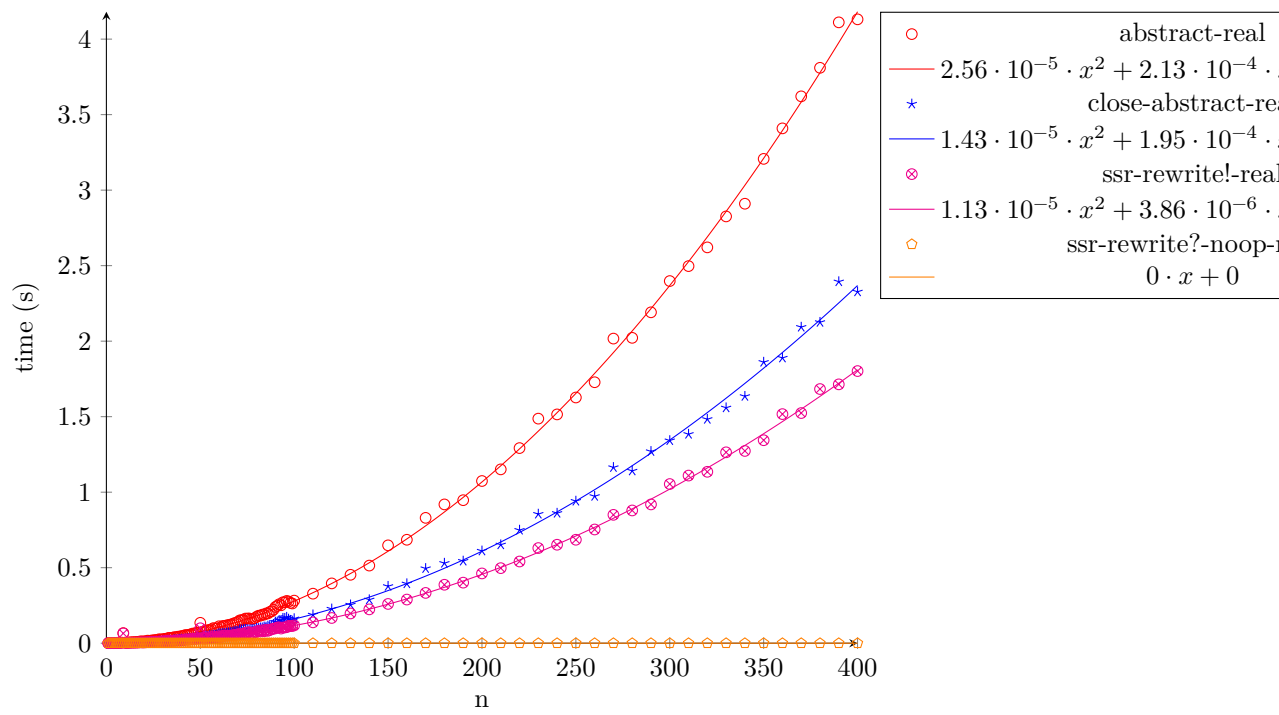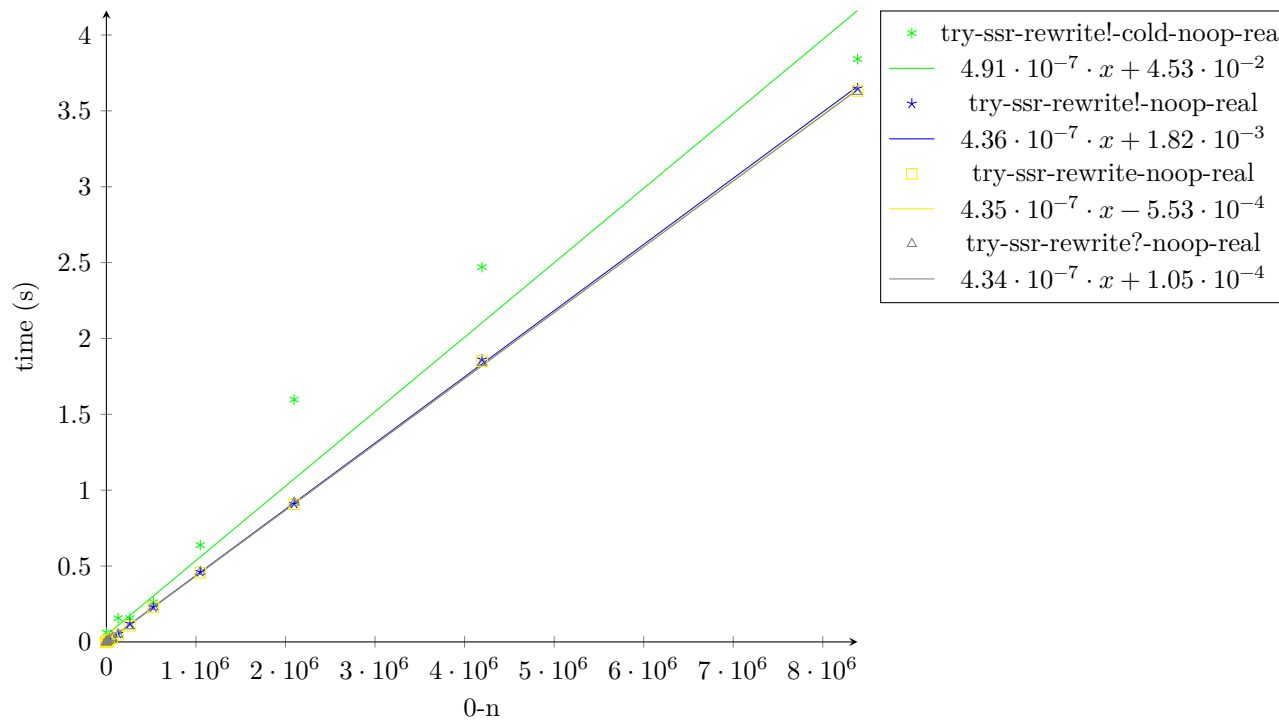- $4.7 \cdot 10^{-7} \cdot x - 2.02 \cdot$

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

8

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

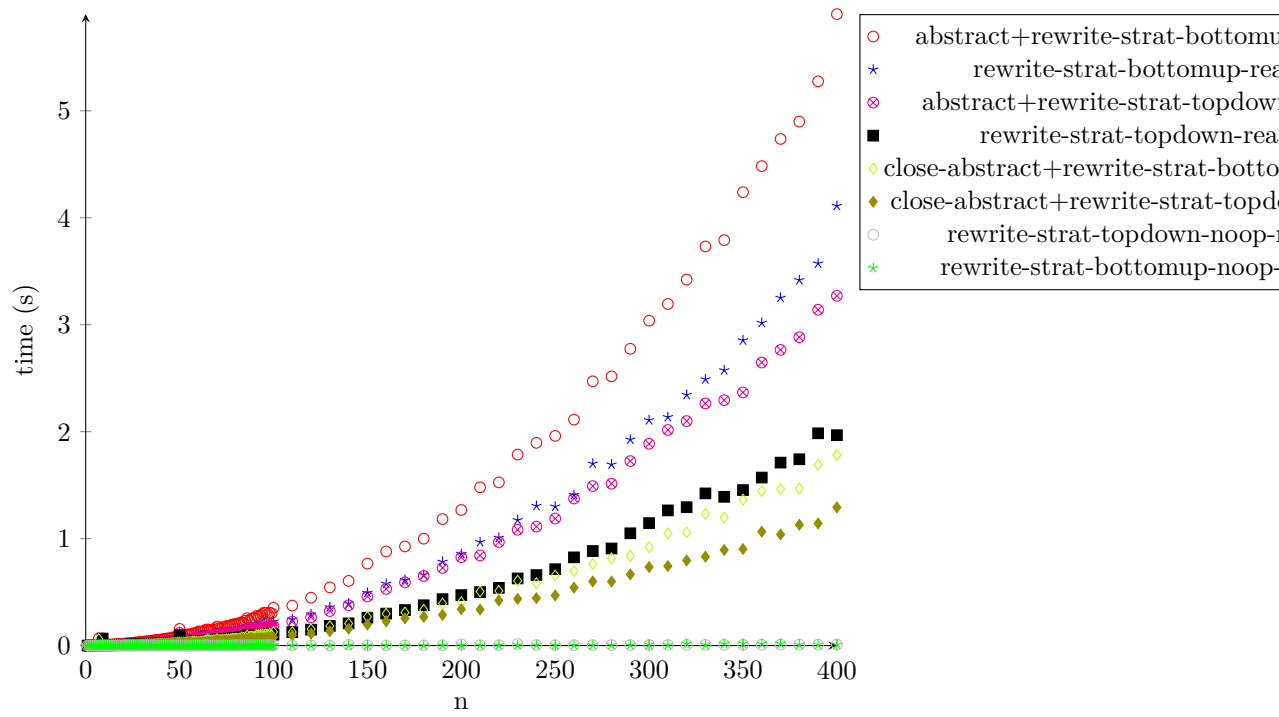Figure 10: timing-rewrite-repeated-app-rewrite-strat

The legend in the figure reads:

- abstract+rewrite-strat-bottomu...
- rewrite-strat-bottomup-rea...
- abstract+rewrite-strat-topdow...
- rewrite-strat-topdown-rea...
- close-abstract+rewrite-strat-botto...
- close-abstract+rewrite-strat-topd...
- rewrite-strat-topdown-noop-...
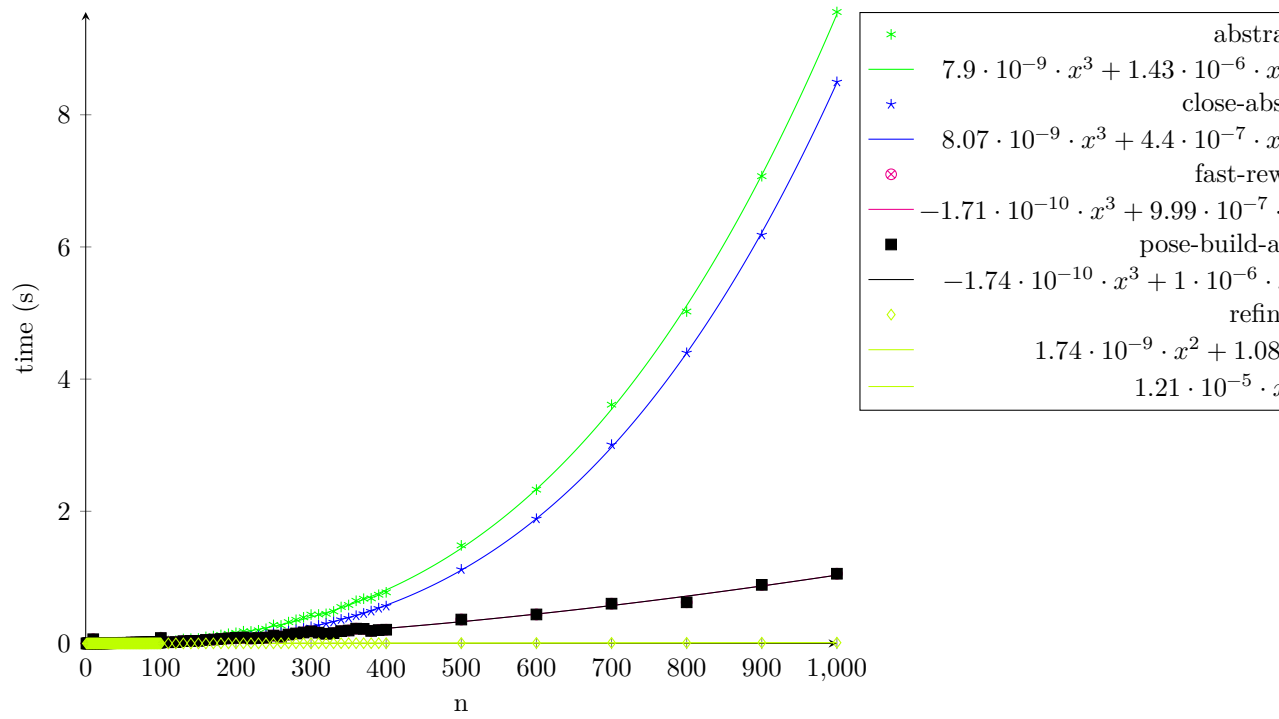- rewrite-strat-bottomup-noop-...

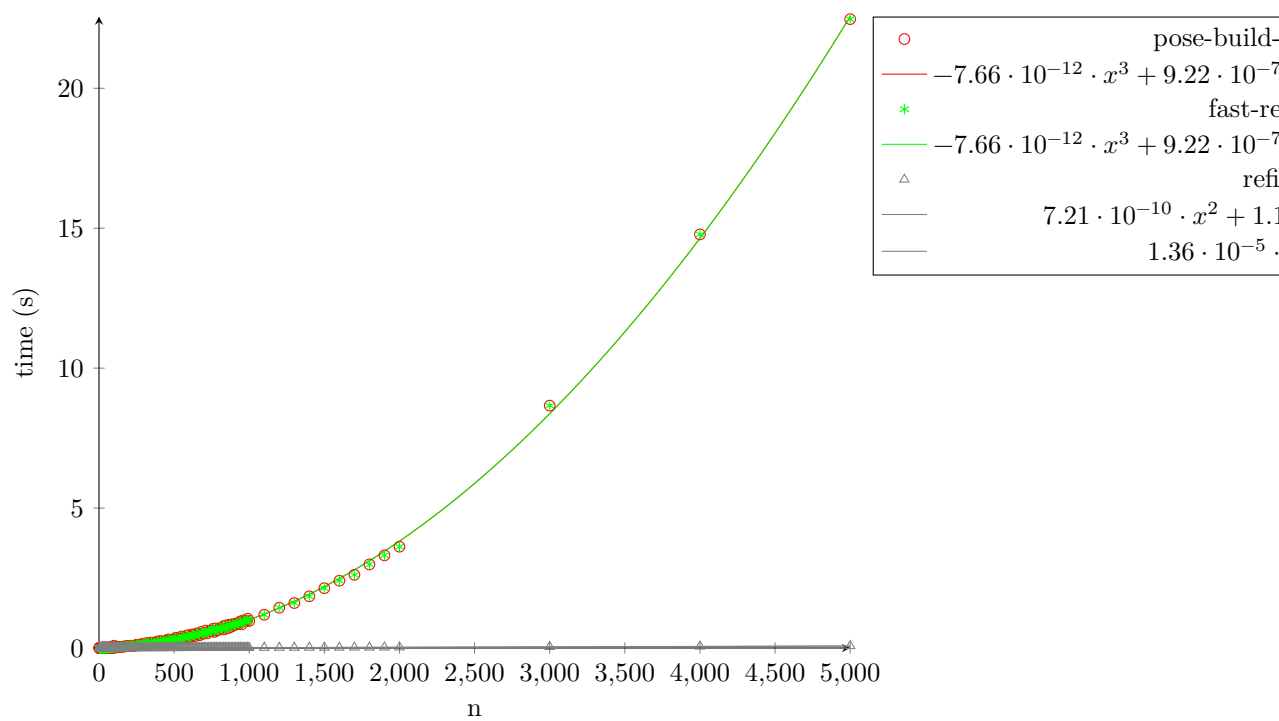Figure 11: timing-rewrite-repeated-app-fast-rewrite

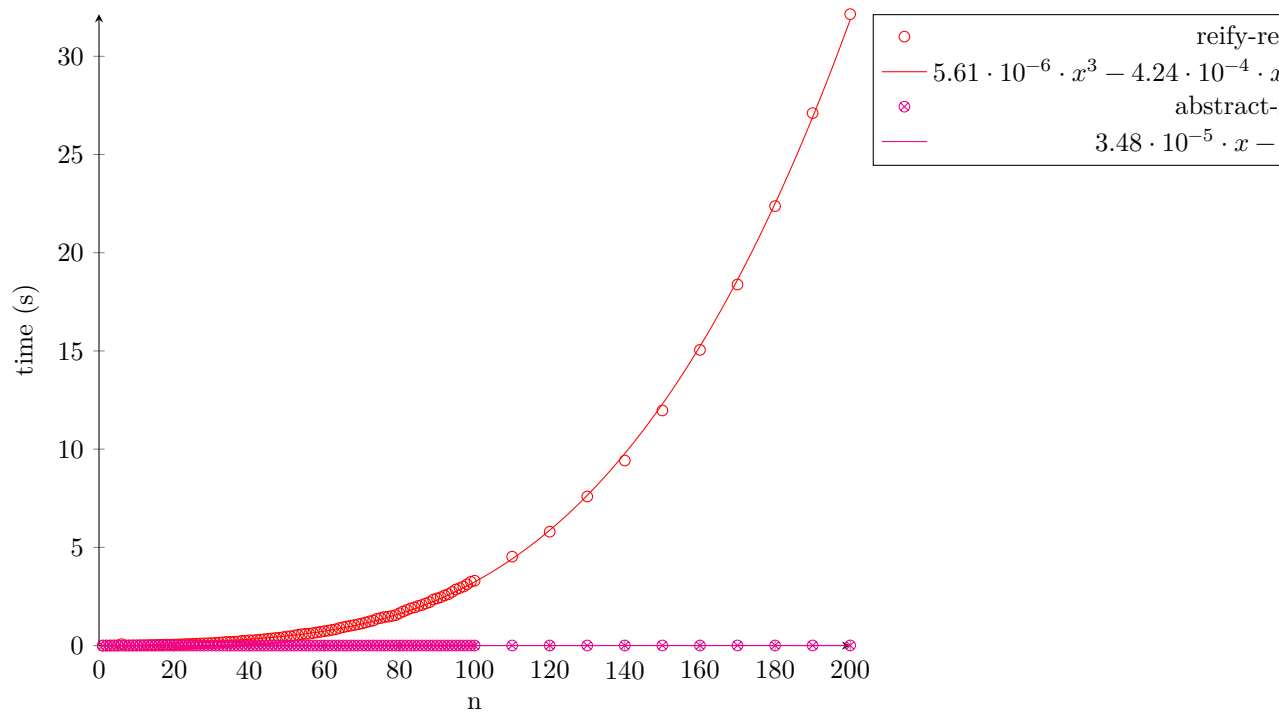Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract
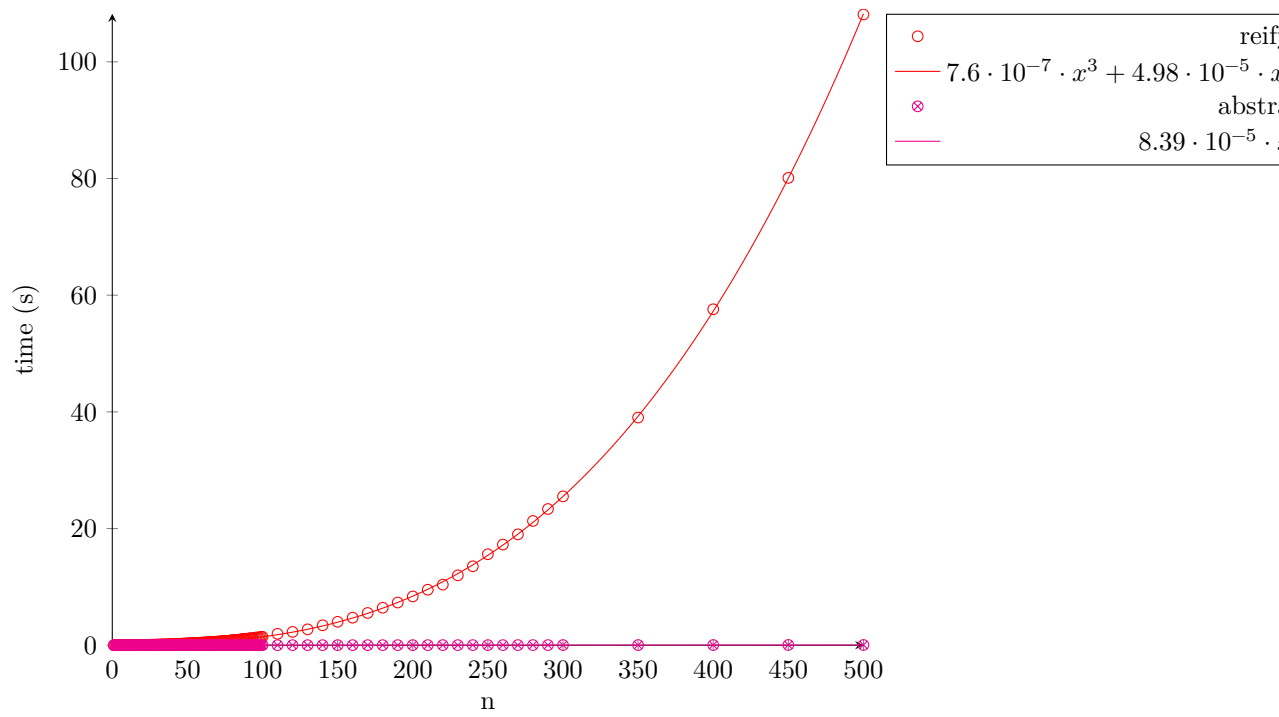
Figure 13: timing-typeclass-reification-let-in-HOAS

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