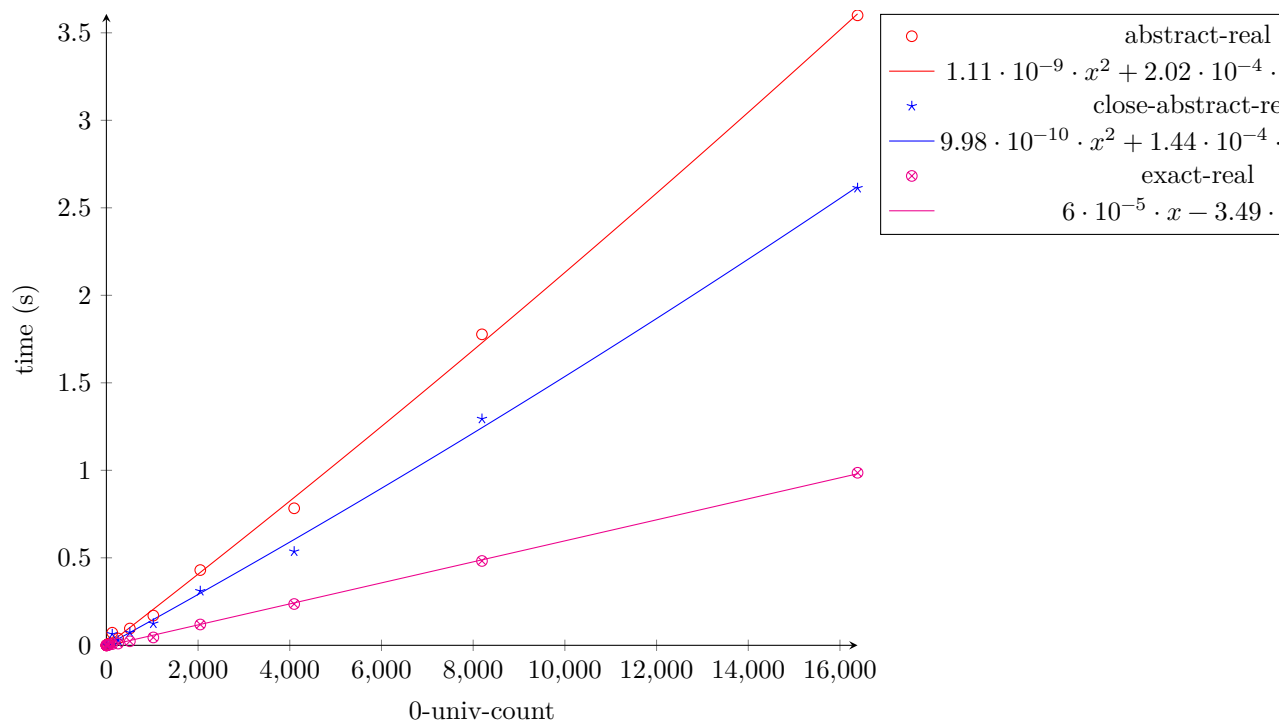Figure 1: timing-pattern

1

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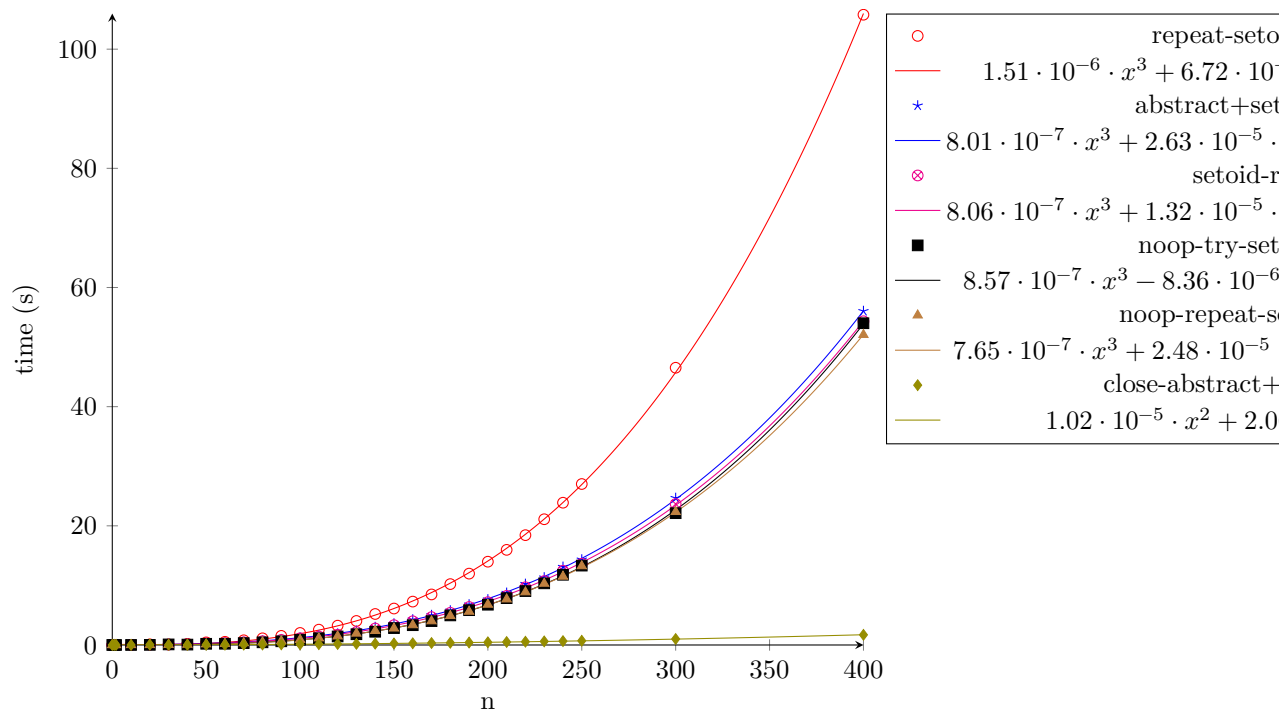
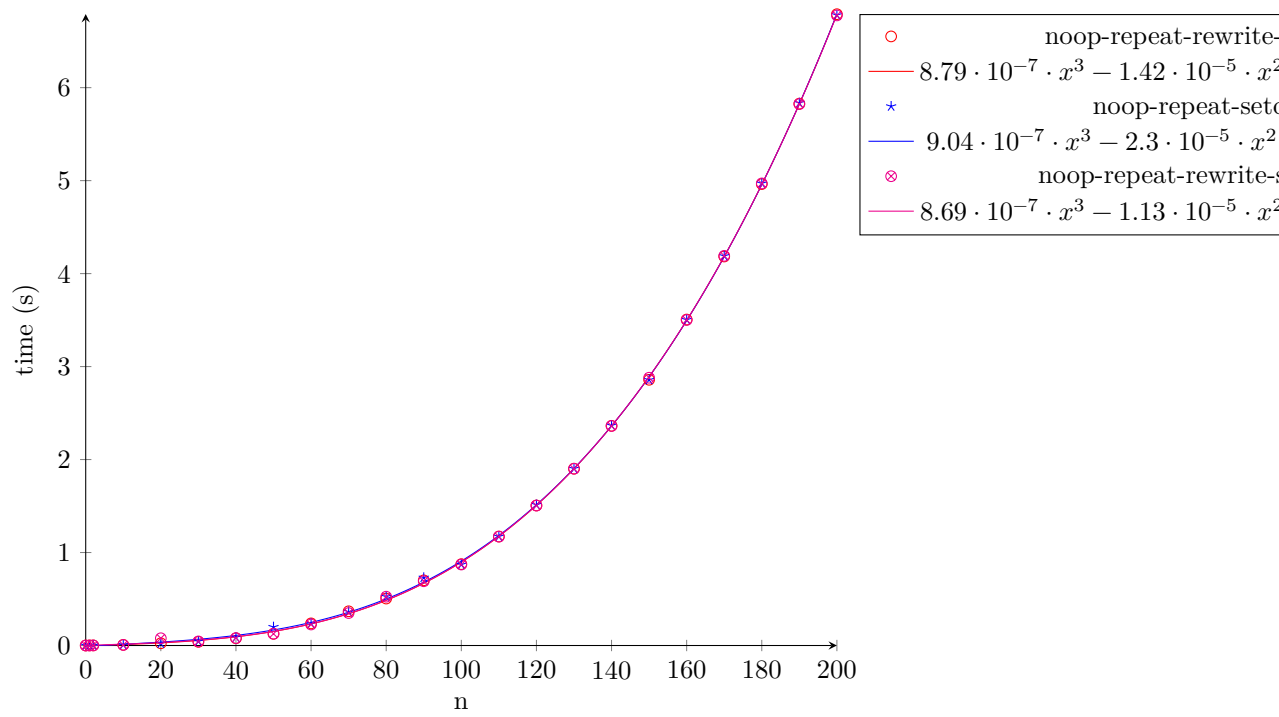Figure 3: timing-repeat-setoid-rewrite-under-binders

3

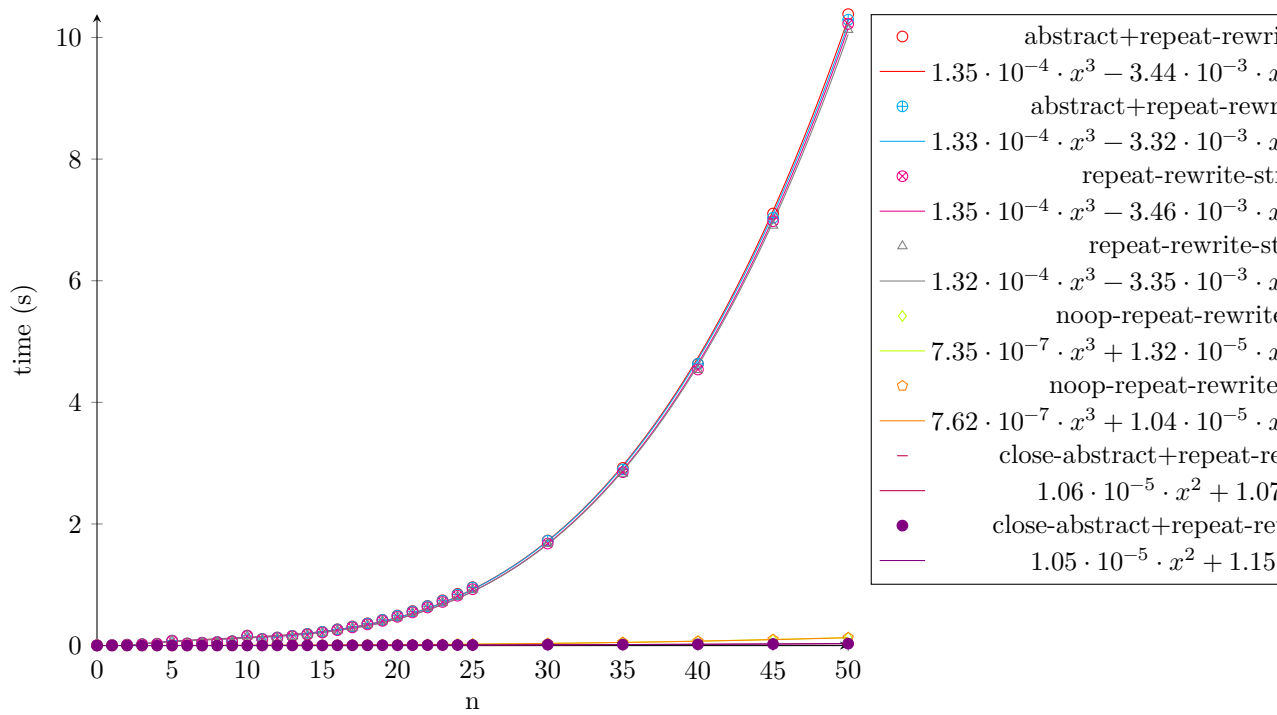Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

4

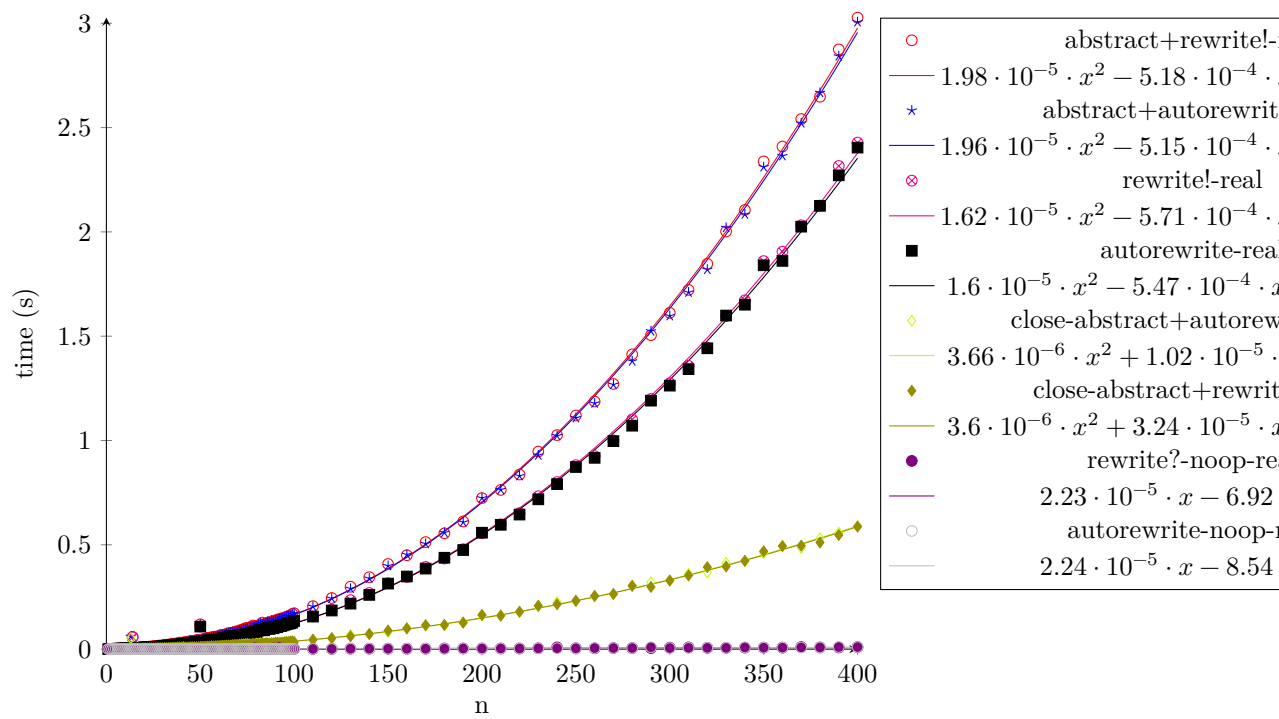Figure 5: timing-rewrite-strat-under-binders
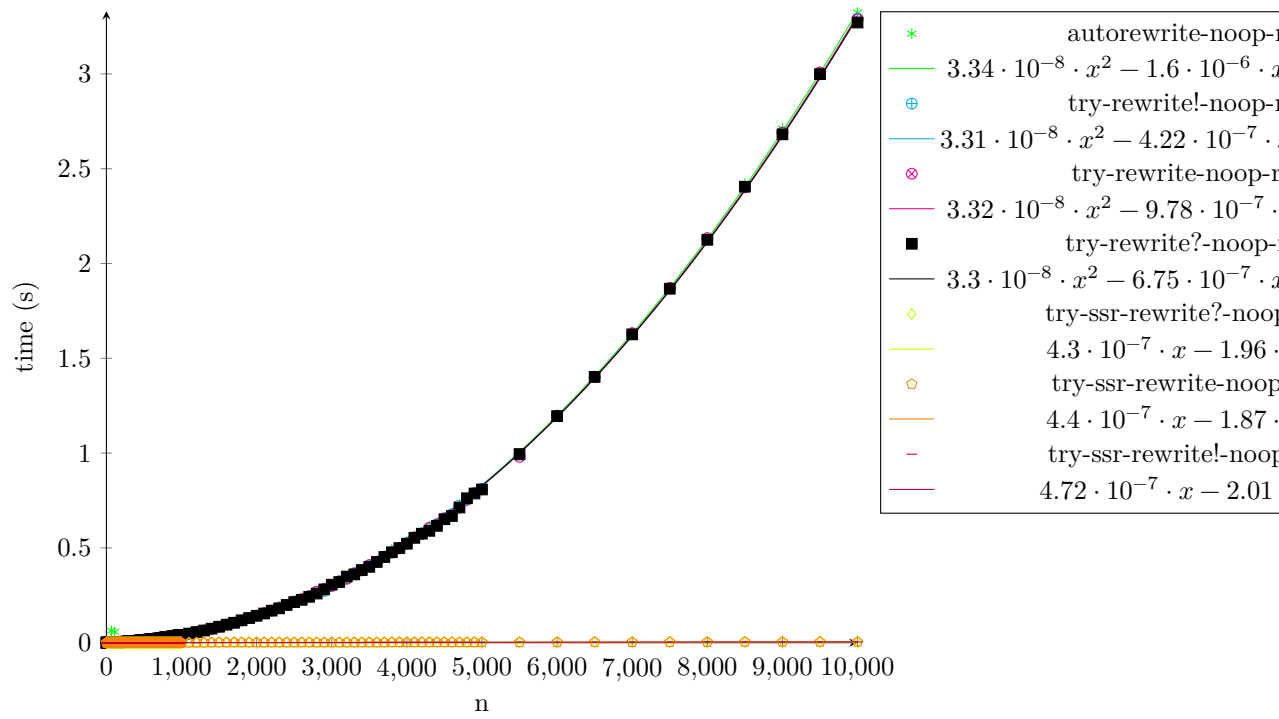
Figure 6: timing-rewrite-repeated-app-autorewrite

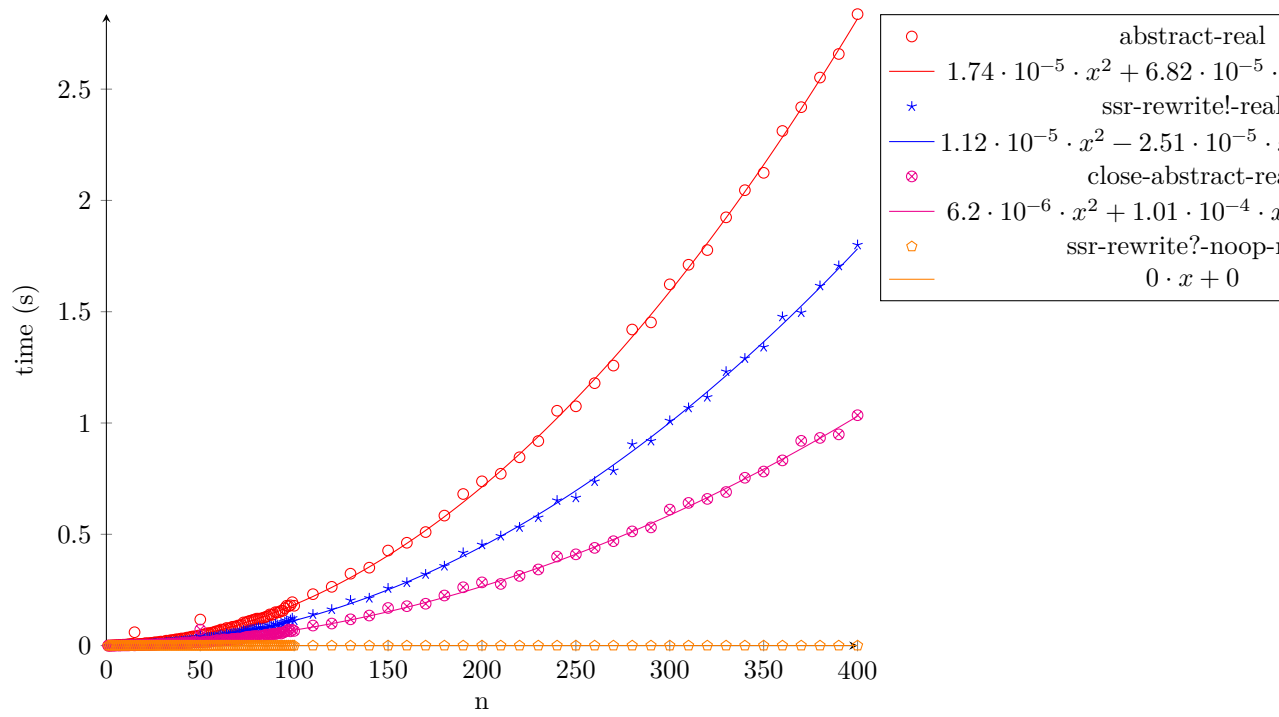Figure 7: timing-rewrite-repeated-app-autorewrite-noop

The figure legend reads:

- autorewrite-noop-r
- $3.34 \cdot 10^{-8} \cdot x^2 - 1.6 \cdot 10^{-6} \cdot x$
- try-rewrite!-noop-r
- $3.31 \cdot 10^{-8} \cdot x^2 - 4.22 \cdot 10^{-7} \cdot x$
- try-rewrite-noop-r
- $3.32 \cdot 10^{-8} \cdot x^2 - 9.78 \cdot 10^{-7} \cdot x$
- try-rewrite?-noop-r
- $3.3 \cdot 10^{-8} \cdot x^2 - 6.75 \cdot 10^{-7} \cdot x$
- try-ssr-rewrite?-noop
- $4.3 \cdot 10^{-7} \cdot x - 1.96$
- try-ssr-rewrite-noop
- $4.4 \cdot 10^{-7} \cdot x - 1.87$
- try-ssr-rewrite!-noop
- $4.72 \cdot 10^{-7} \cdot x - 2.01$

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

8
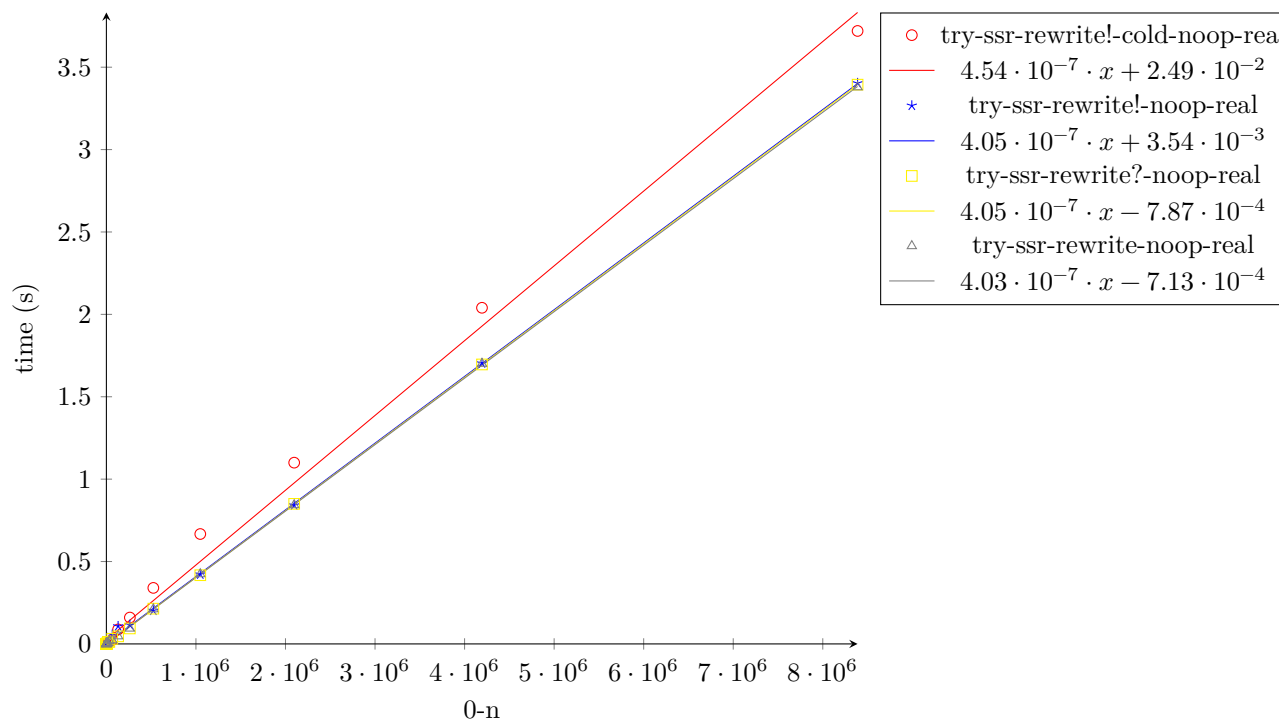
Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn   1

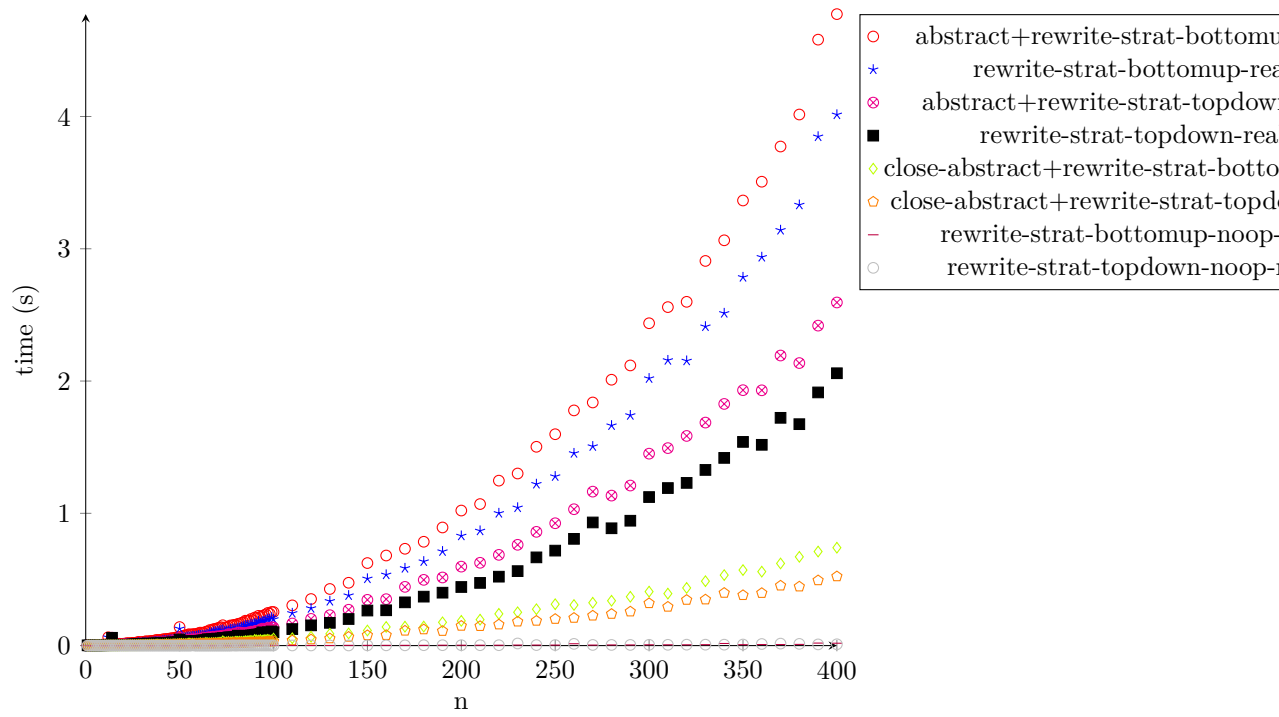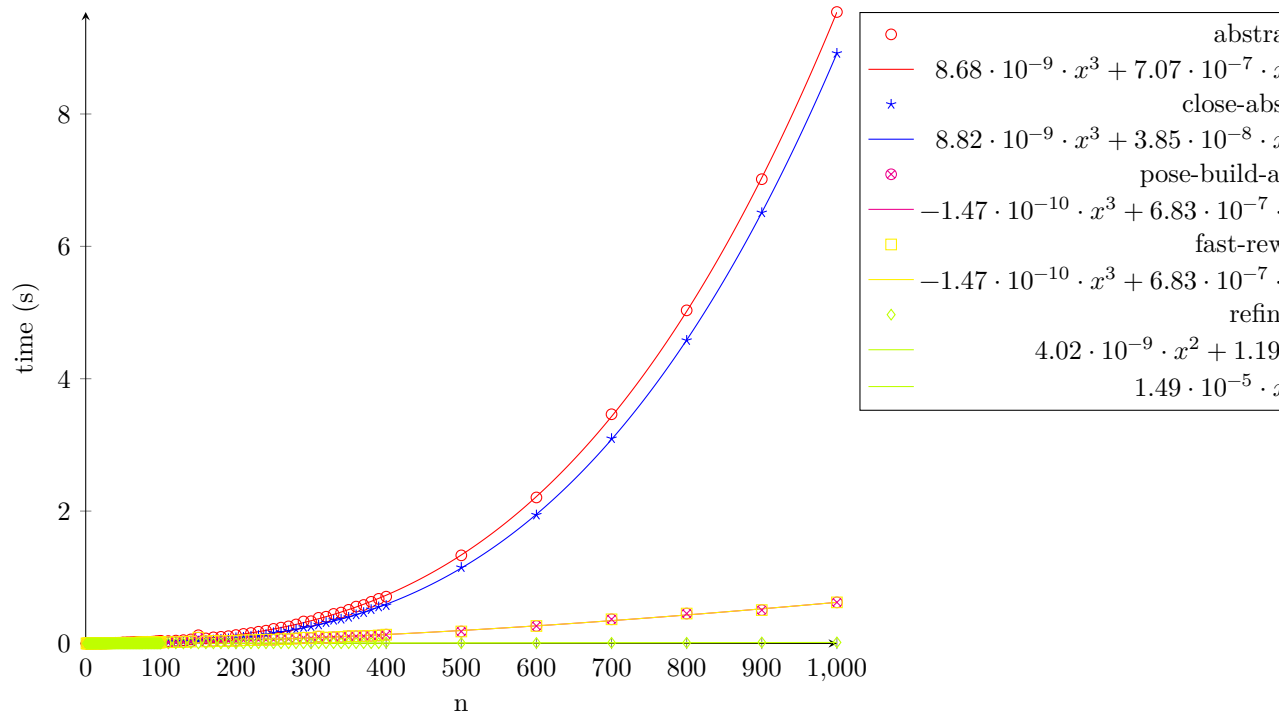Figure 10: timing-rewrite-repeated-app-rewrite-strat

The legend entries for the figure are:

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

10

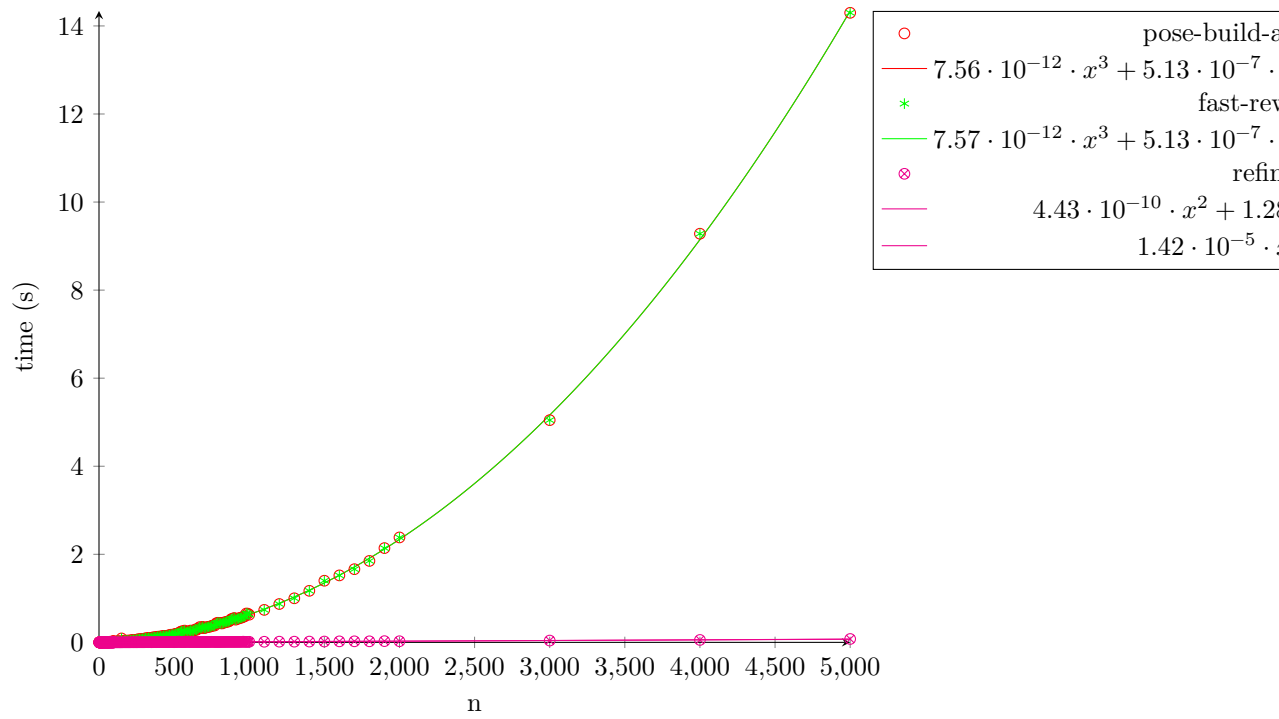Figure 11: timing-rewrite-repeated-app-fast-rewrite

11

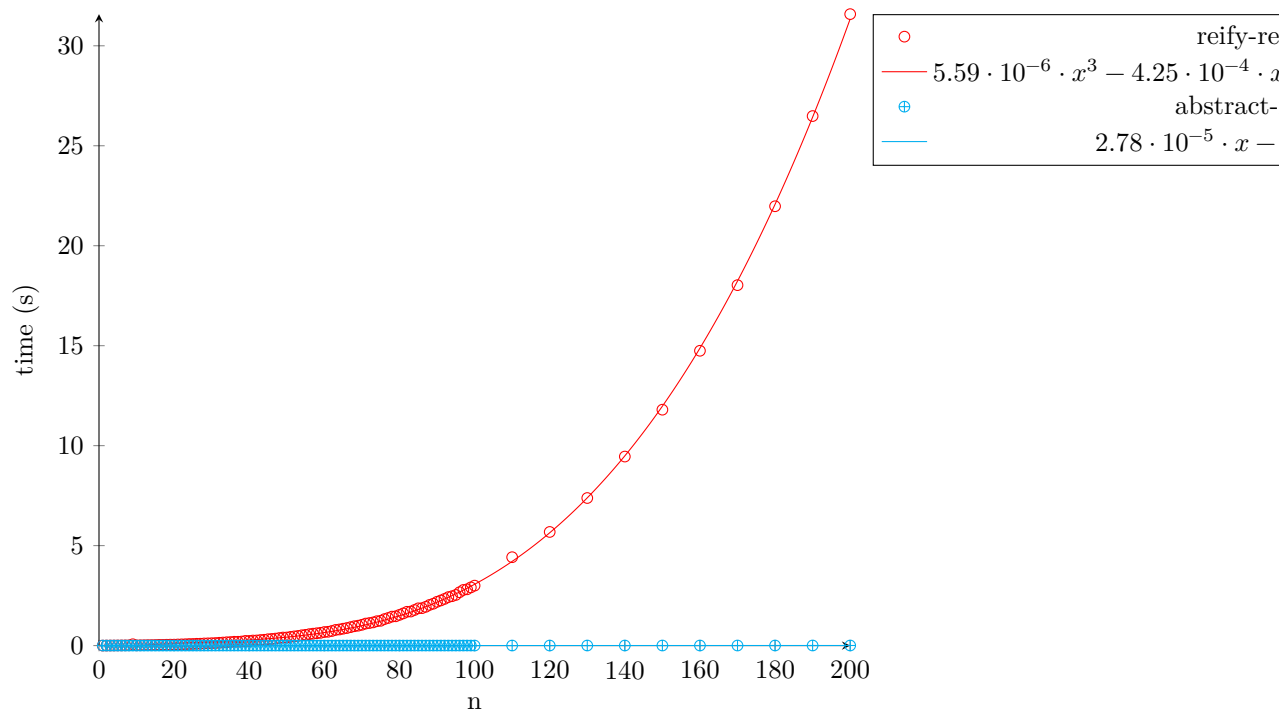Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract
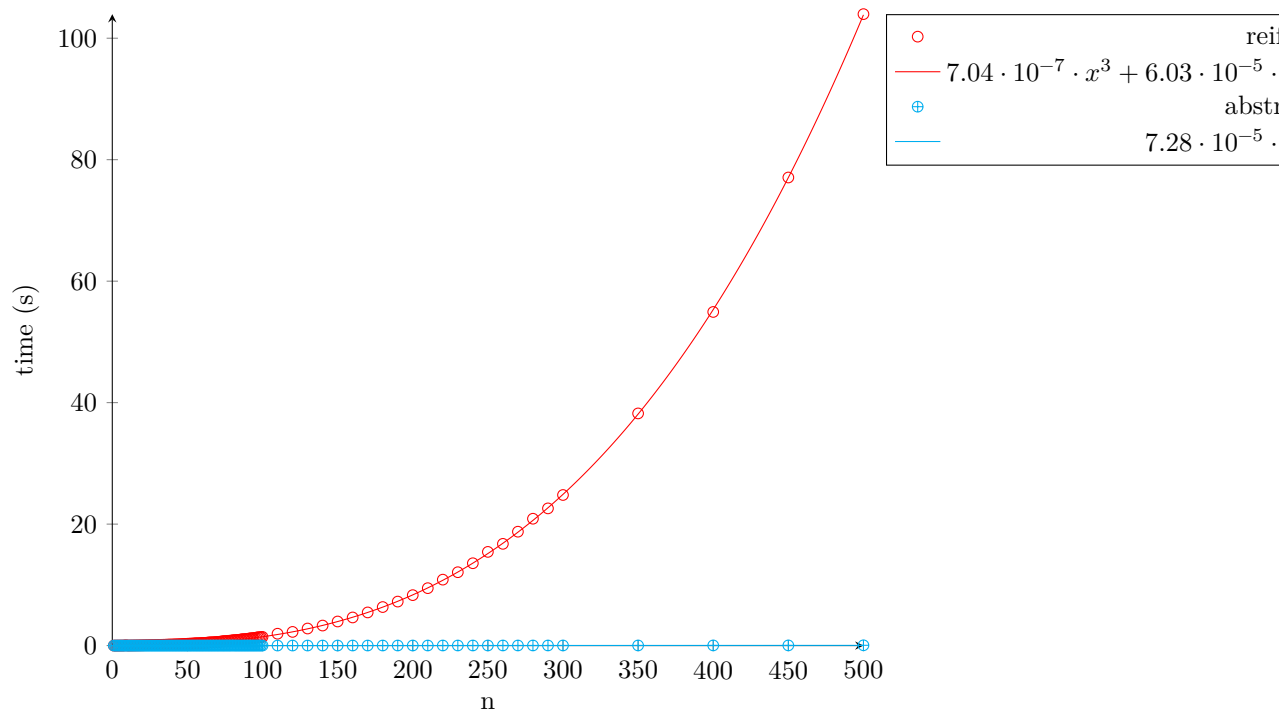
12

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

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

Figure 15: timing-rewrite-repeated-app-fast-rewrite-ltac2

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