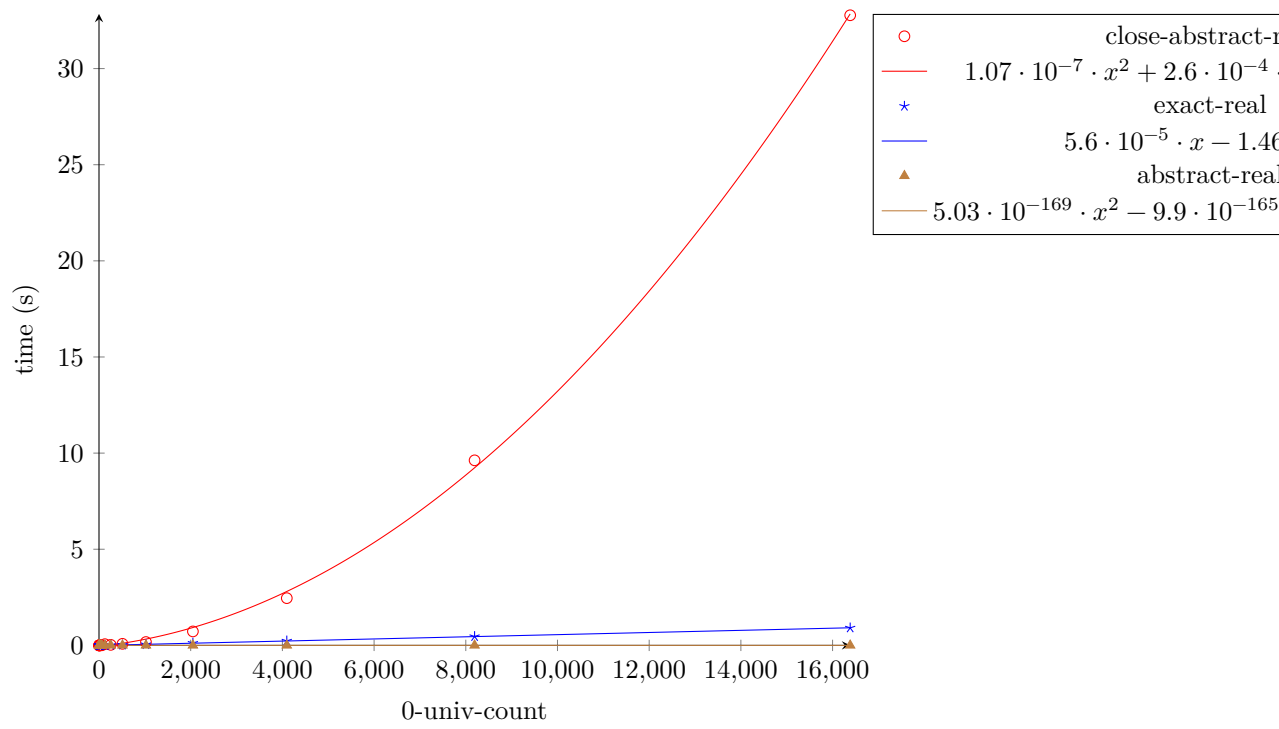Figure 1: timing-pattern

1

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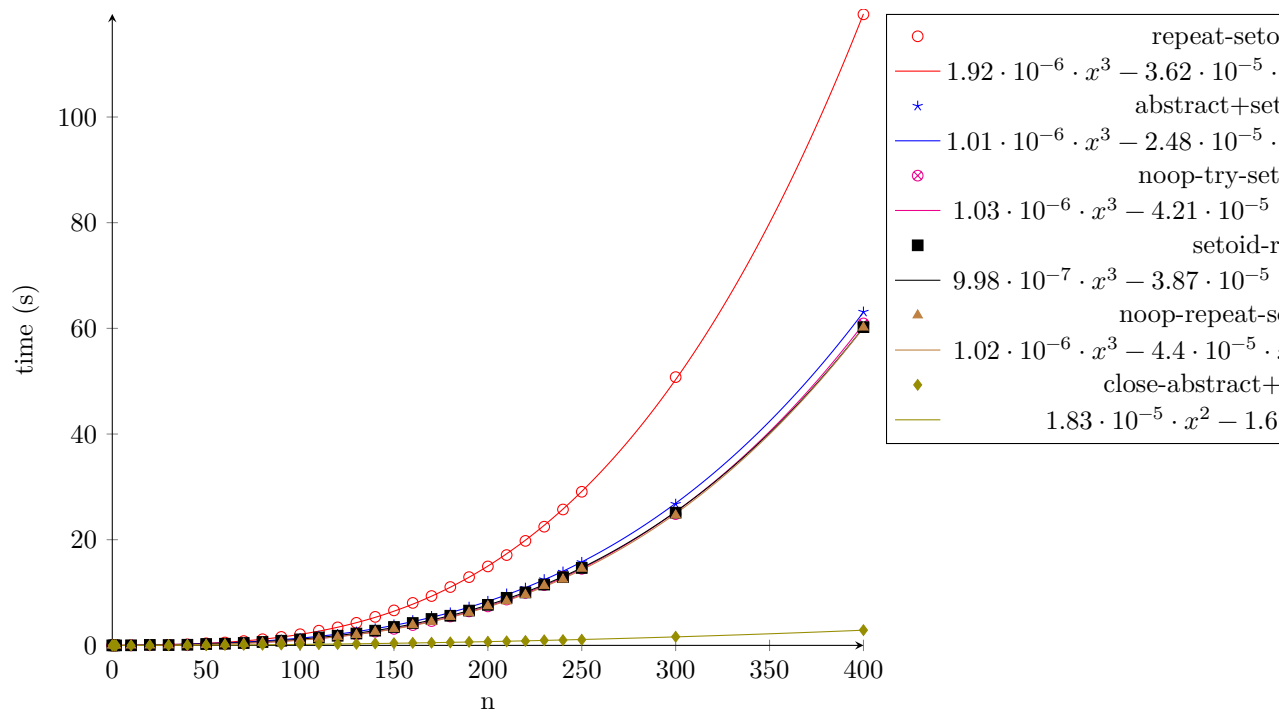
Figure 3: timing-repeat-setoid-rewrite-under-binders
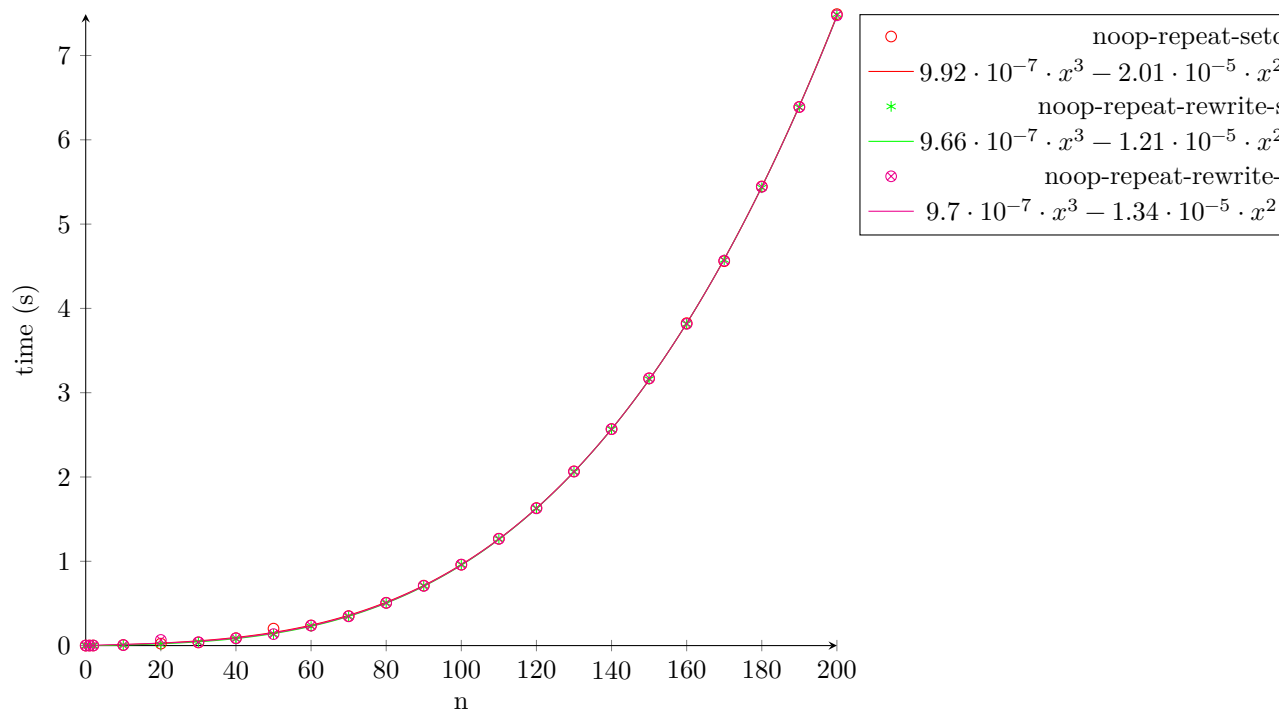
3

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

The figure legend contains:

- noop-repeat-set...
  $9.92 \cdot 10^{-7} \cdot x^3 - 2.01 \cdot 10^{-5} \cdot x^2$
- noop-repeat-rewrite-s...
  $9.66 \cdot 10^{-7} \cdot x^3 - 1.21 \cdot 10^{-5} \cdot x^2$
- noop-repeat-rewrite-
  $9.7 \cdot 10^{-7} \cdot x^3 - 1.34 \cdot 10^{-5} \cdot x^2$

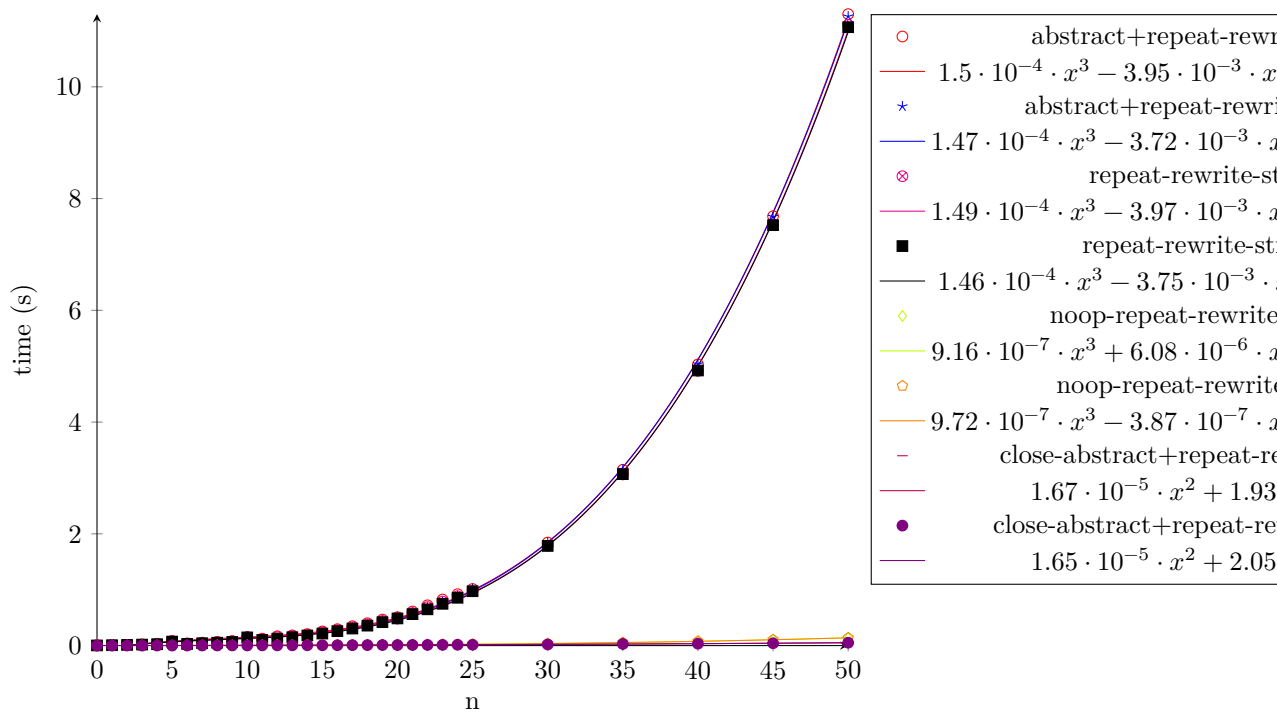The plot axes are labeled "time (s)" (vertical) and "n" (horizontal).

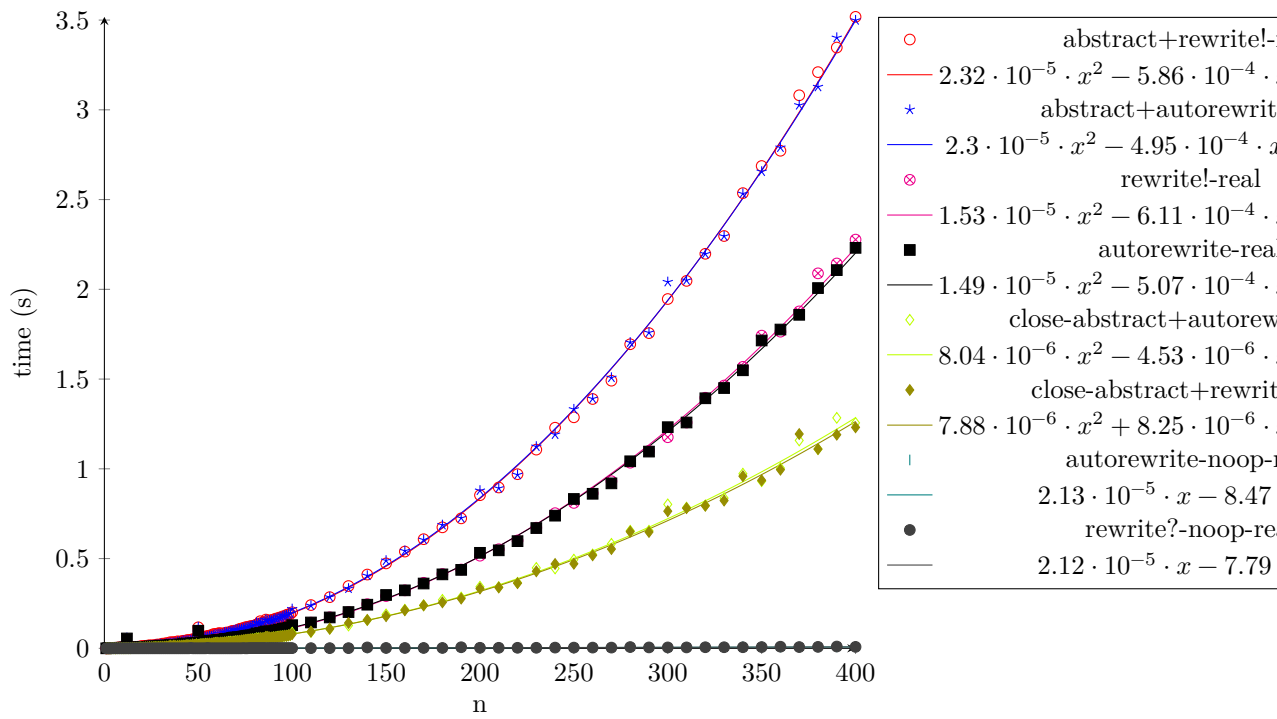Figure 5: timing-rewrite-strat-under-binders

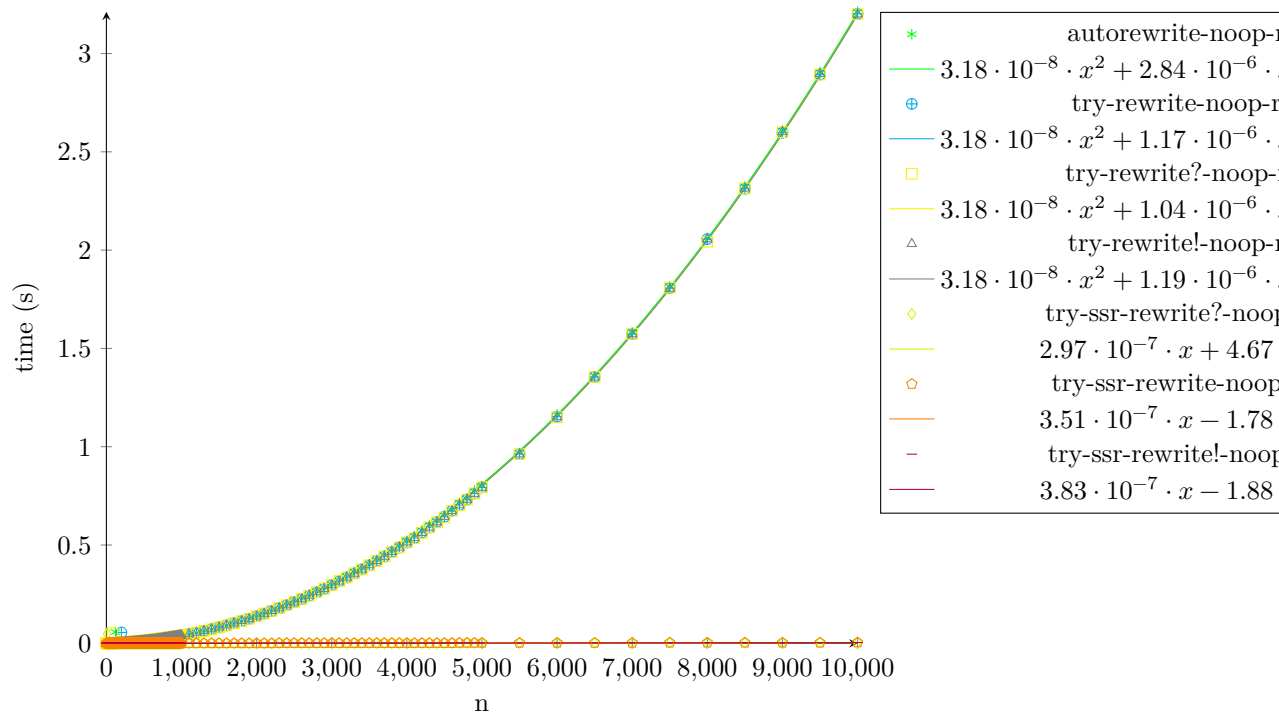Figure 6: timing-rewrite-repeated-app-autorewrite

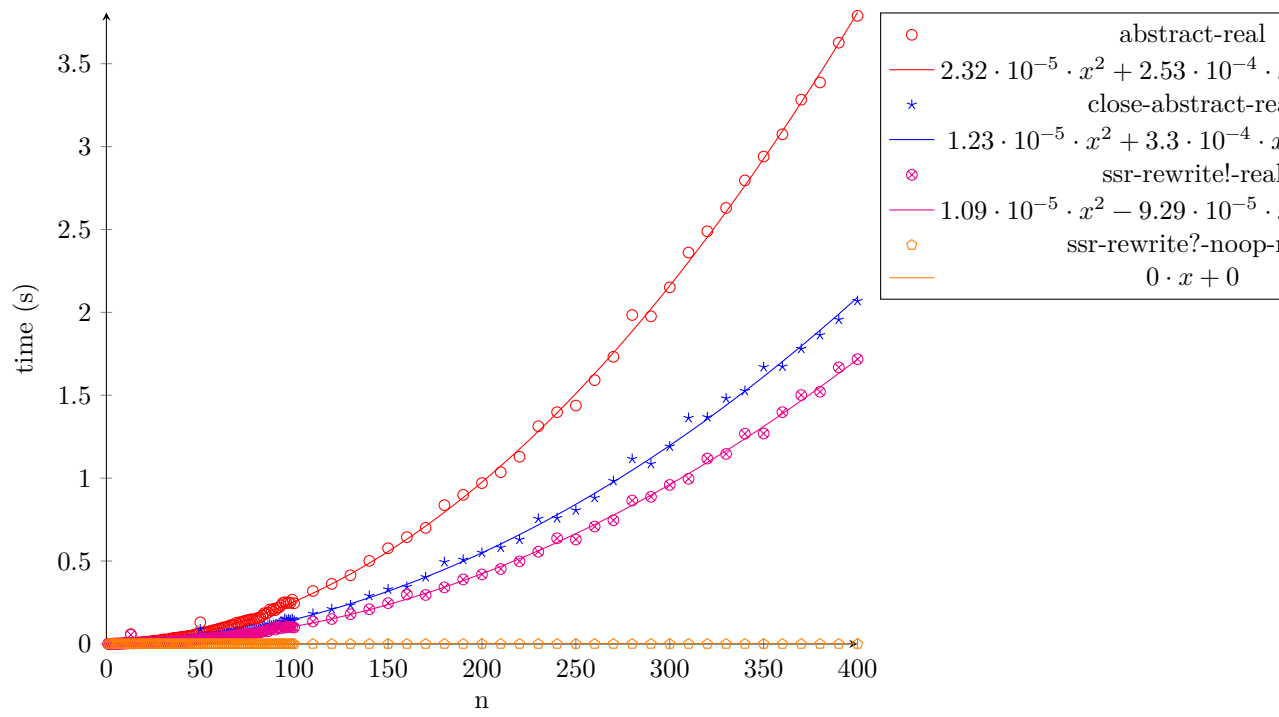Figure 7: timing-rewrite-repeated-app-autorewrite-noop

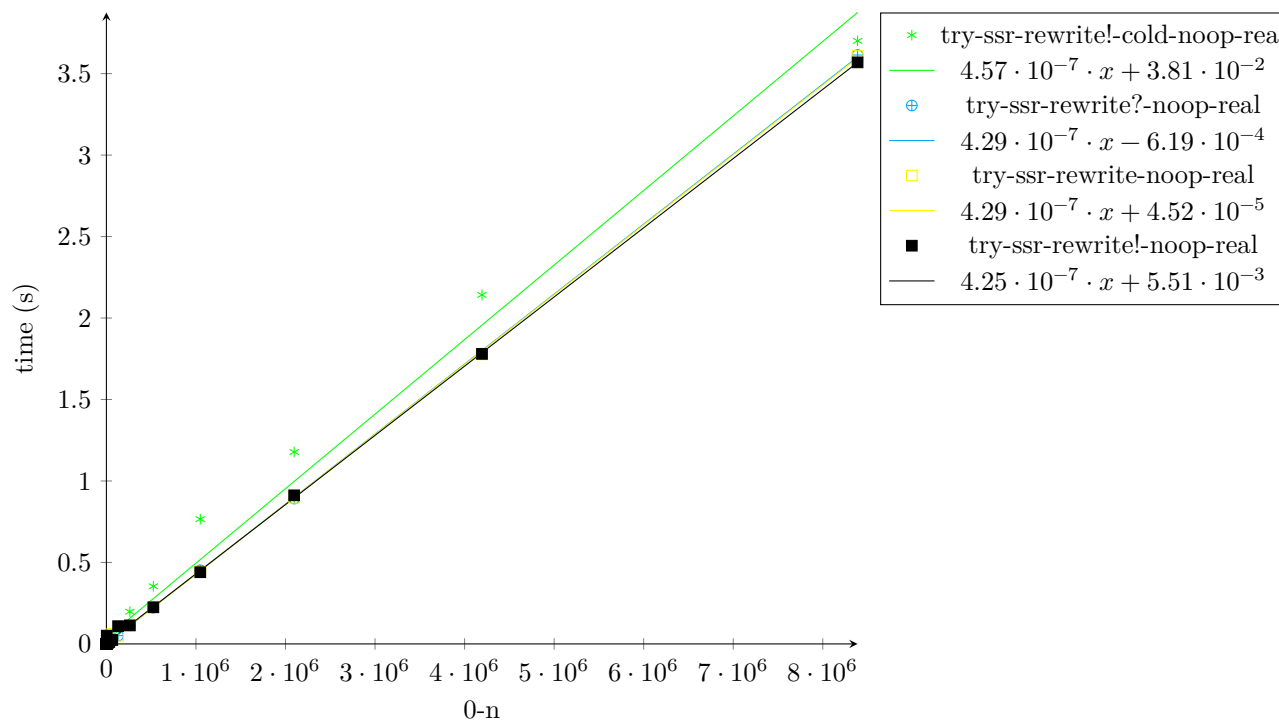Figure 8: timing-rewrite-repeated-app-ssrrewrite

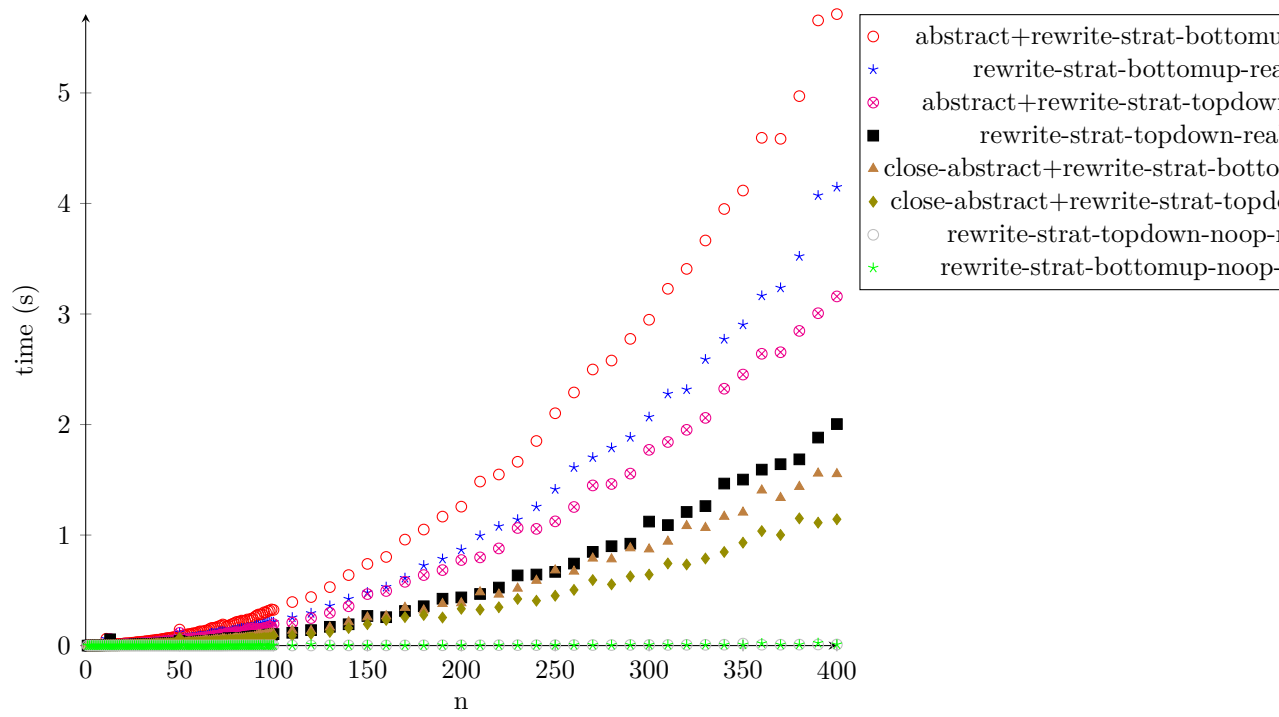Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn 1

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

The figure legend 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-...

Axis labels: time (s) on vertical axis, n on horizontal axis.
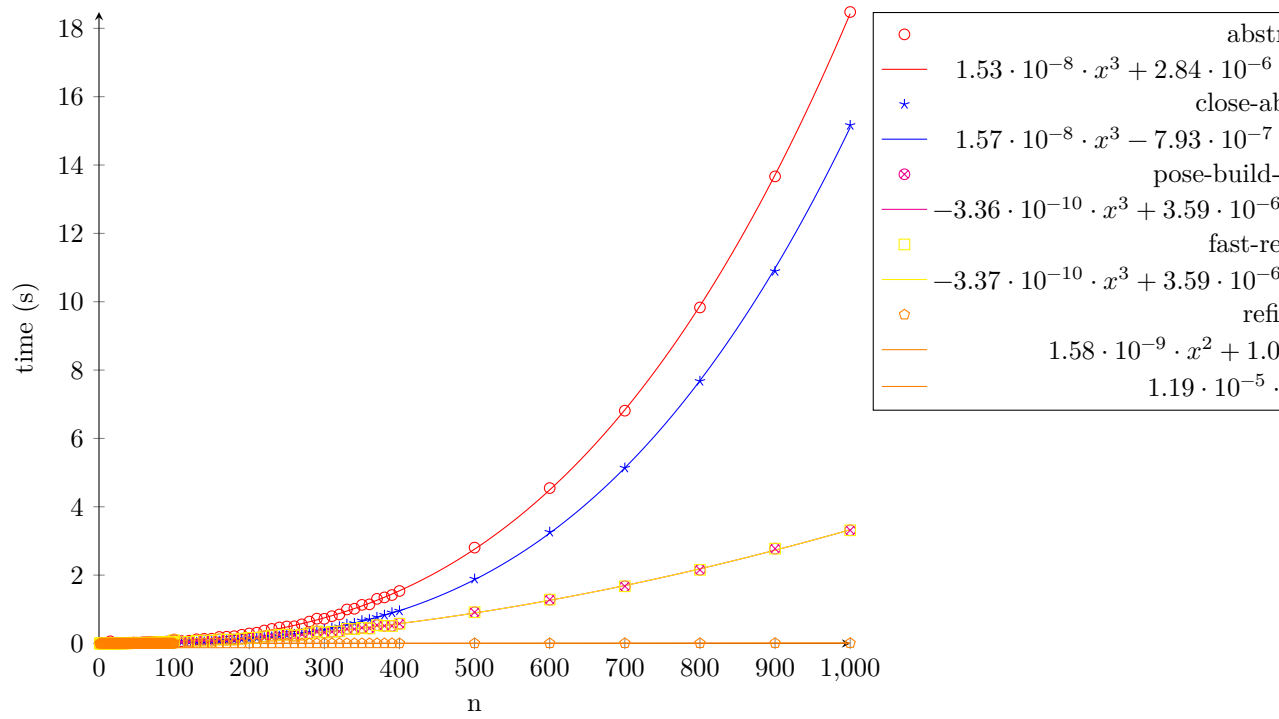
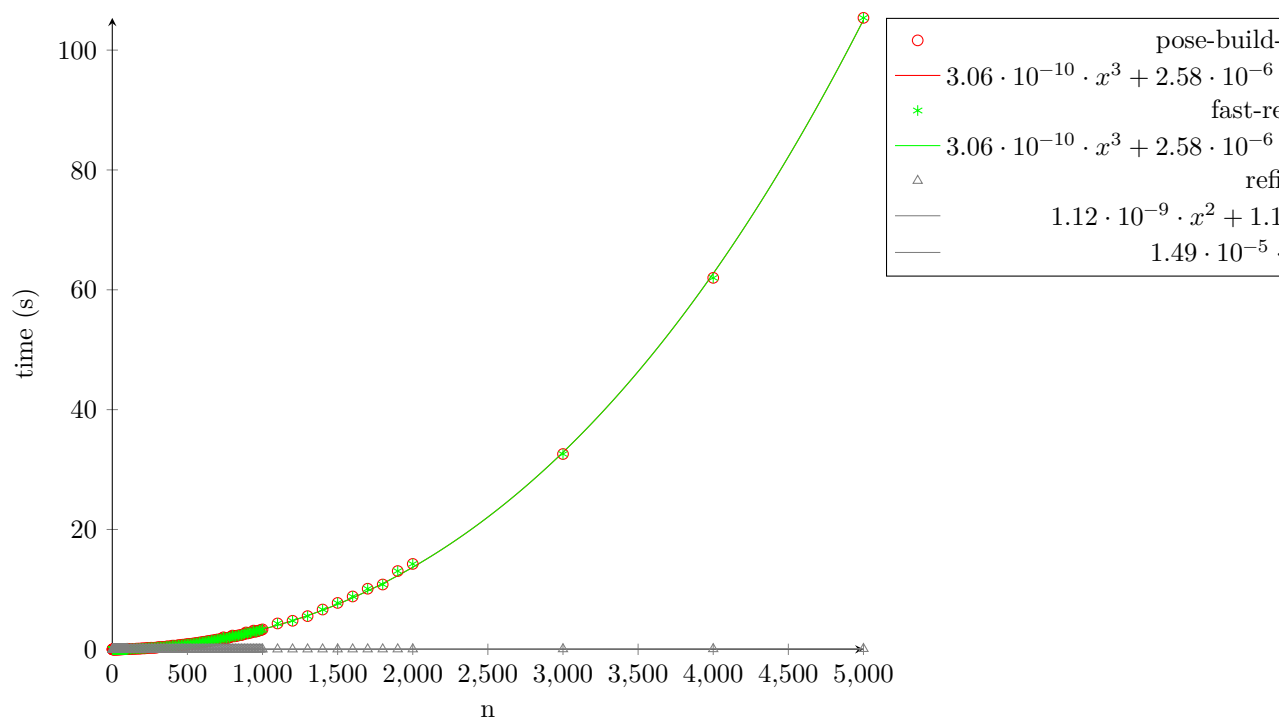Figure 11: timing-rewrite-repeated-app-fast-rewrite

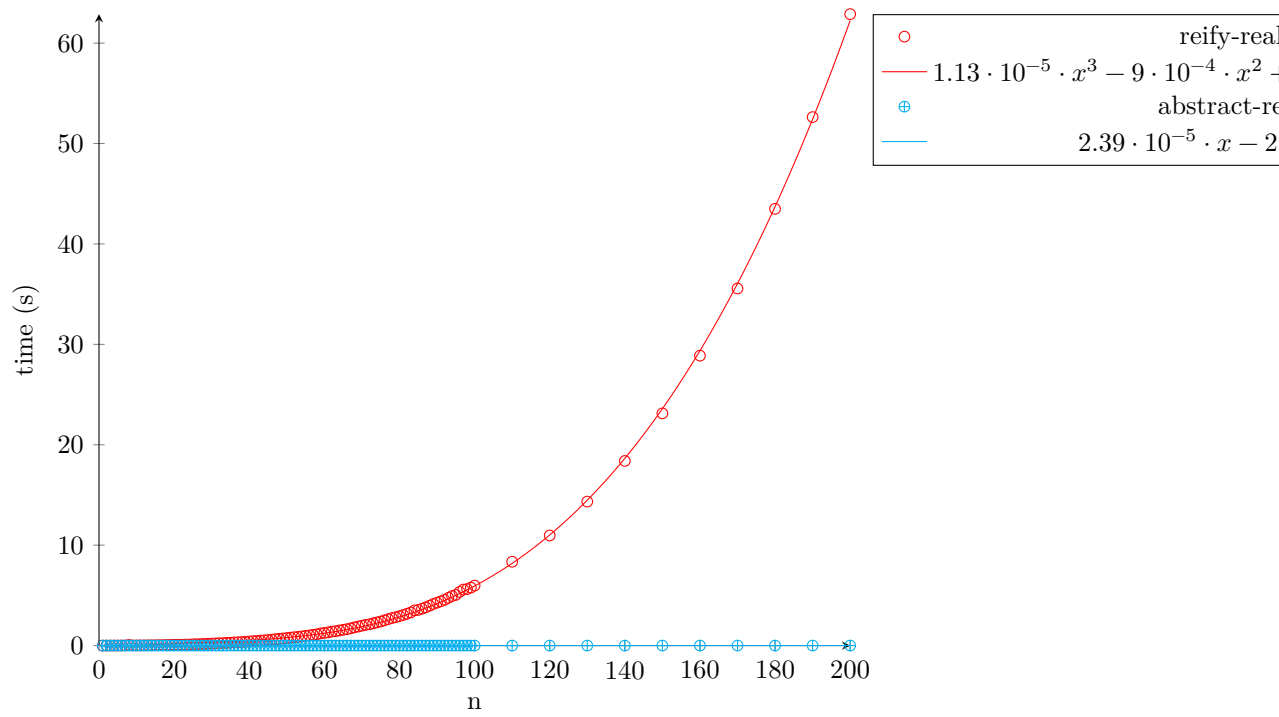Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract
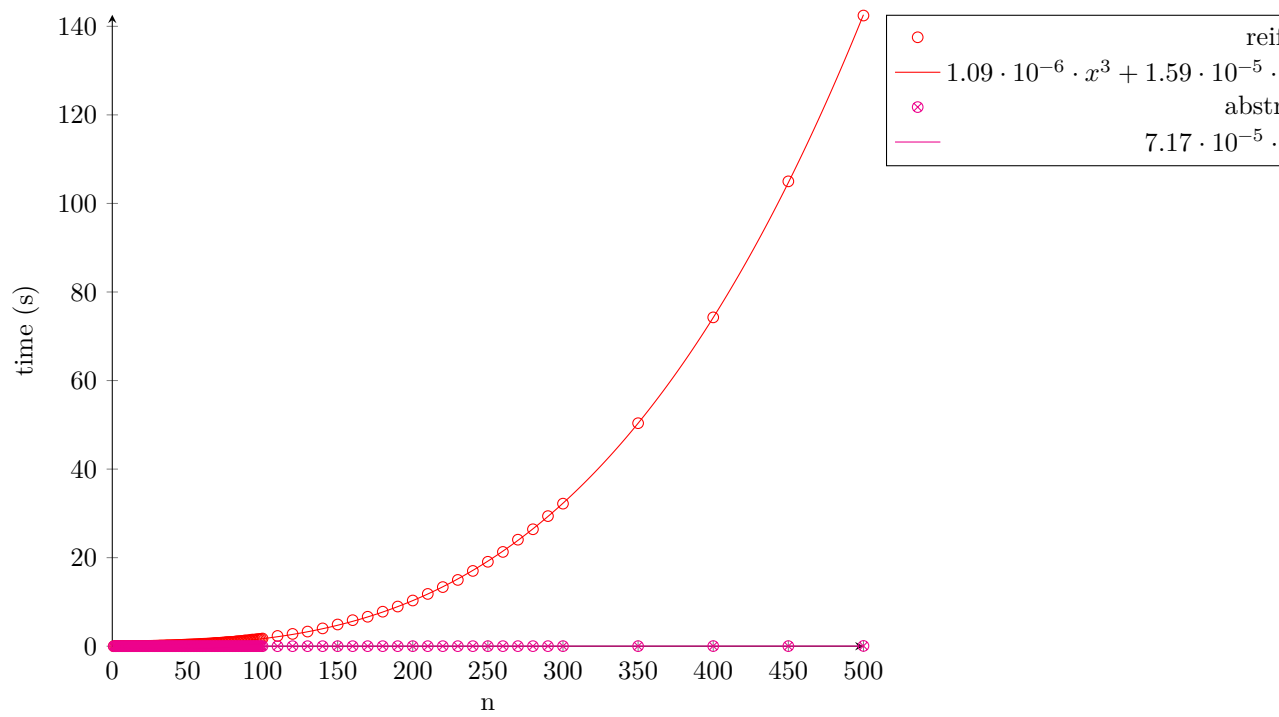
Figure 13: timing-typeclass-reification-let-in-HOAS

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