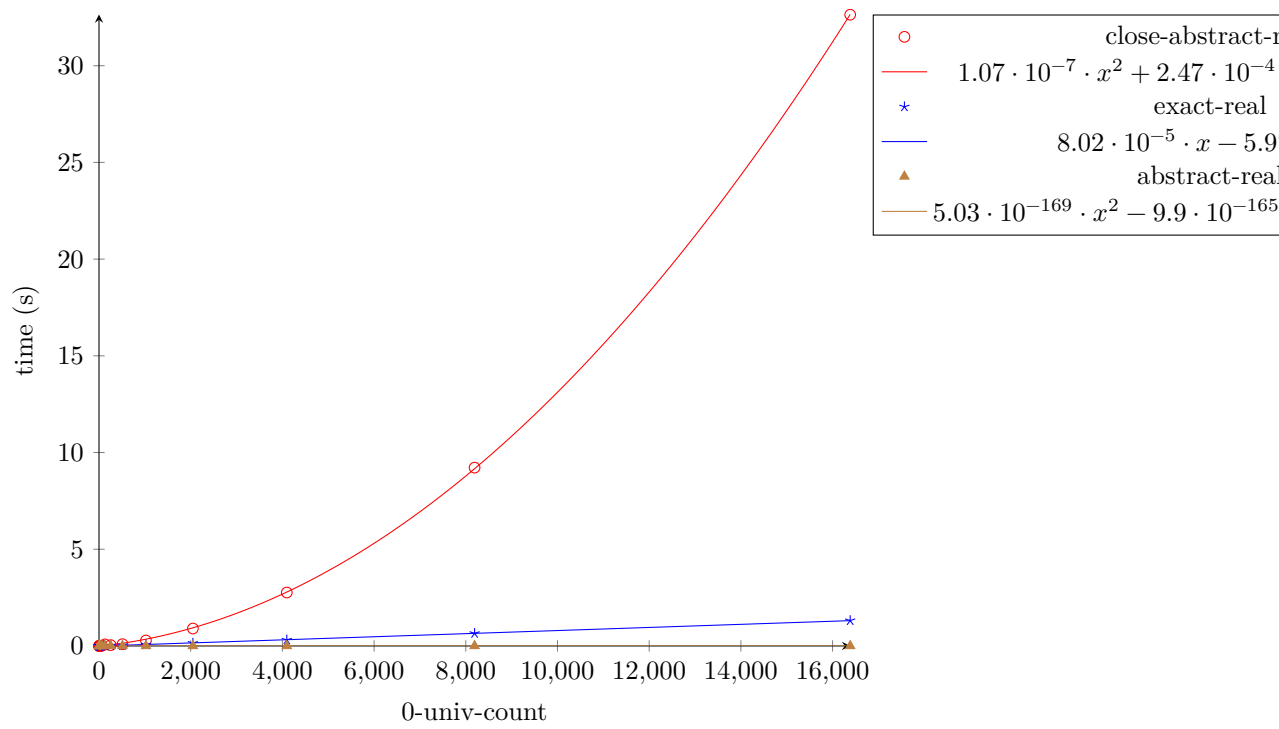Figure 1: timing-pattern

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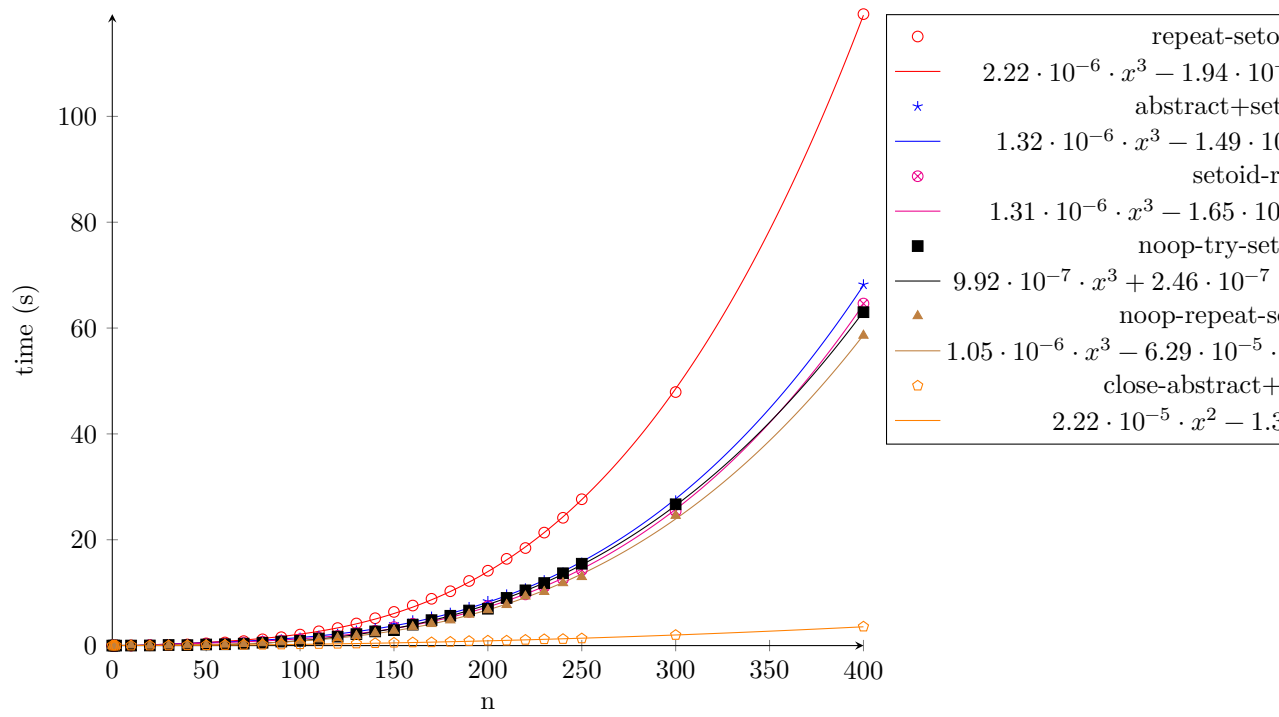
Figure 3: timing-repeat-setoid-rewrite-under-binders
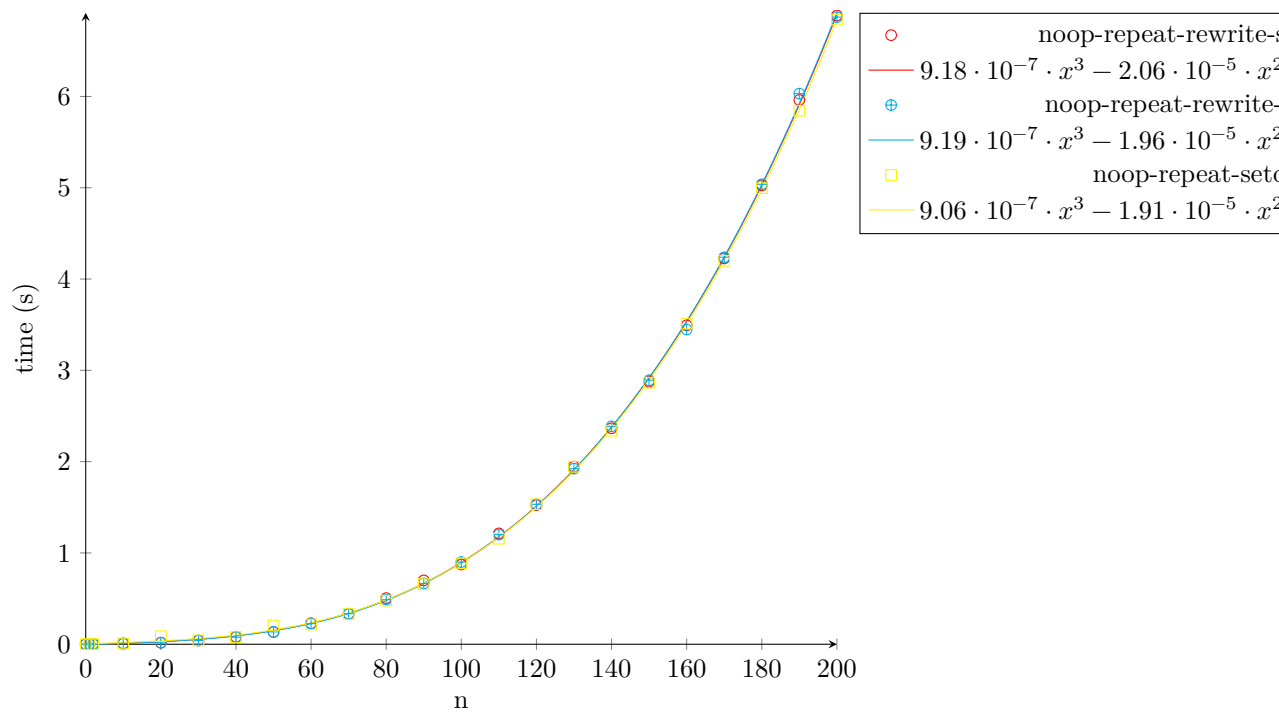
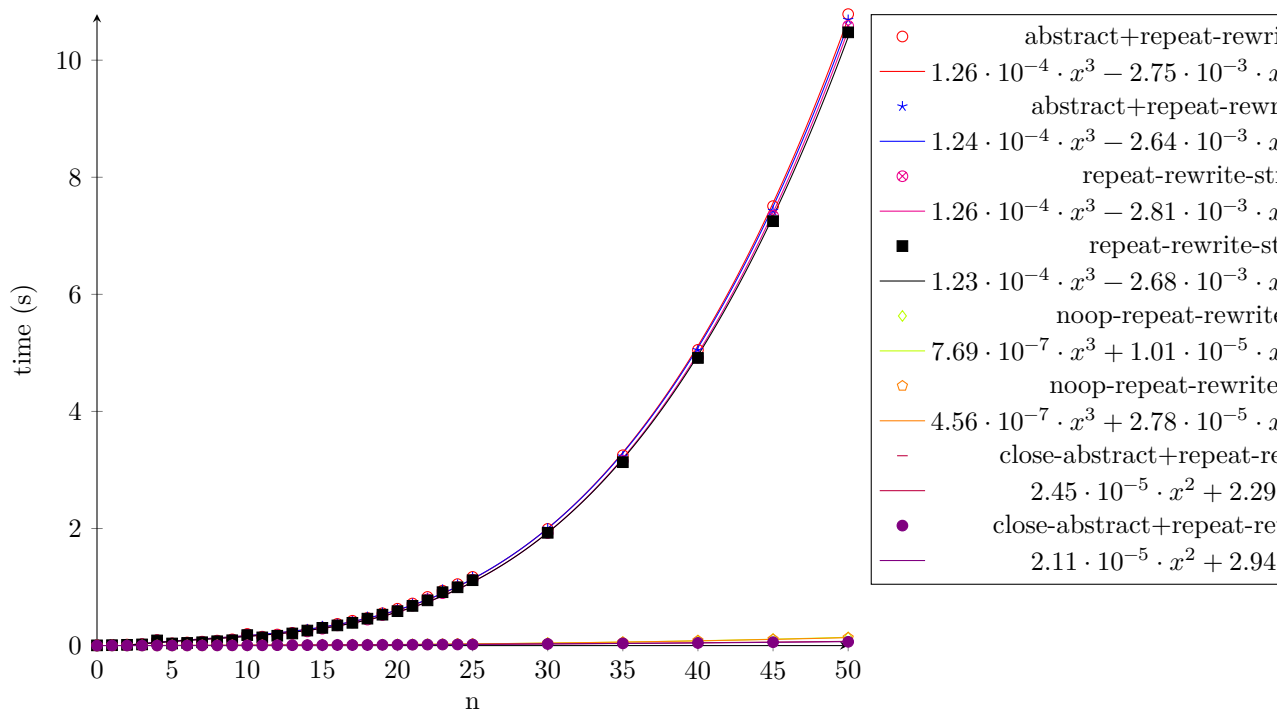Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

4

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

The chart legend (partially cut off) shows:

- abstract+repeat-rewr... : $1.26 \cdot 10^{-4} \cdot x^3 - 2.75 \cdot 10^{-3} \cdot x$
- abstract+repeat-rewr... : $1.24 \cdot 10^{-4} \cdot x^3 - 2.64 \cdot 10^{-3} \cdot x$
- repeat-rewrite-str... : $1.26 \cdot 10^{-4} \cdot x^3 - 2.81 \cdot 10^{-3} \cdot x$
- repeat-rewrite-st... : $1.23 \cdot 10^{-4} \cdot x^3 - 2.68 \cdot 10^{-3} \cdot x$
- noop-repeat-rewrite... : $7.69 \cdot 10^{-7} \cdot x^3 + 1.01 \cdot 10^{-5} \cdot x$
- noop-repeat-rewrite... : $4.56 \cdot 10^{-7} \cdot x^3 + 2.78 \cdot 10^{-5} \cdot x$
- close-abstract+repeat-re... : $2.45 \cdot 10^{-5} \cdot x^2 + 2.29$
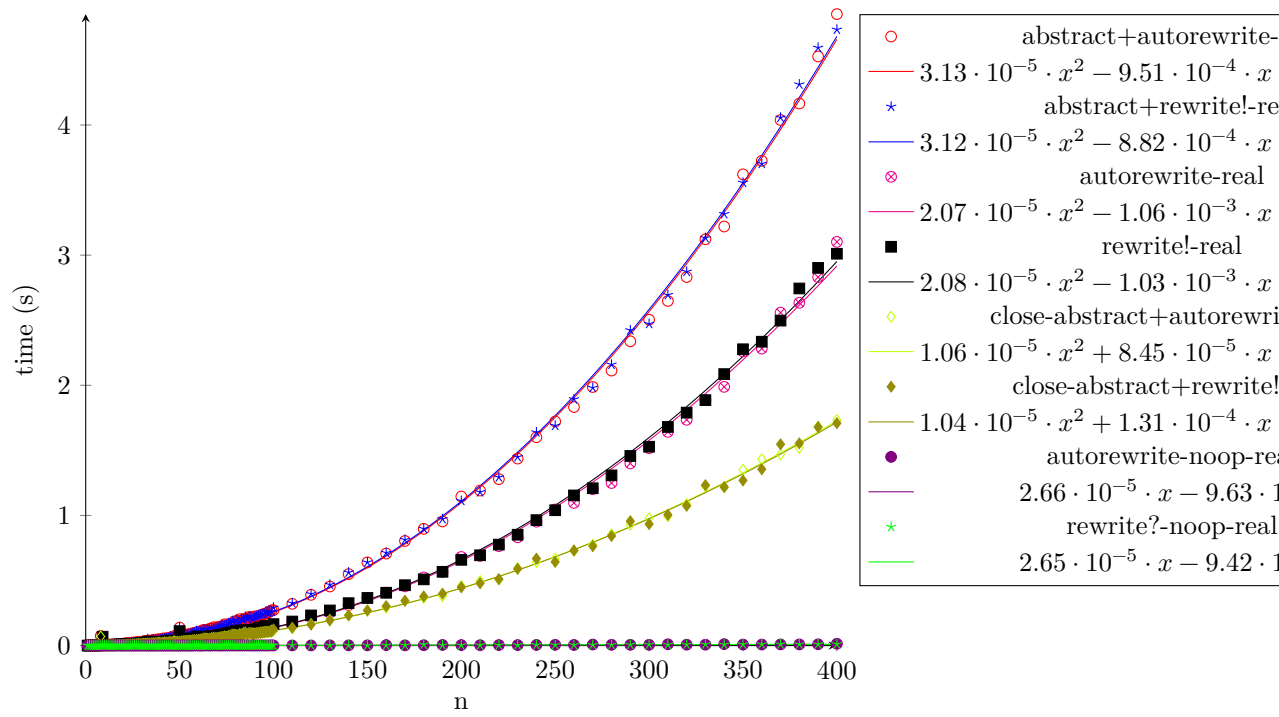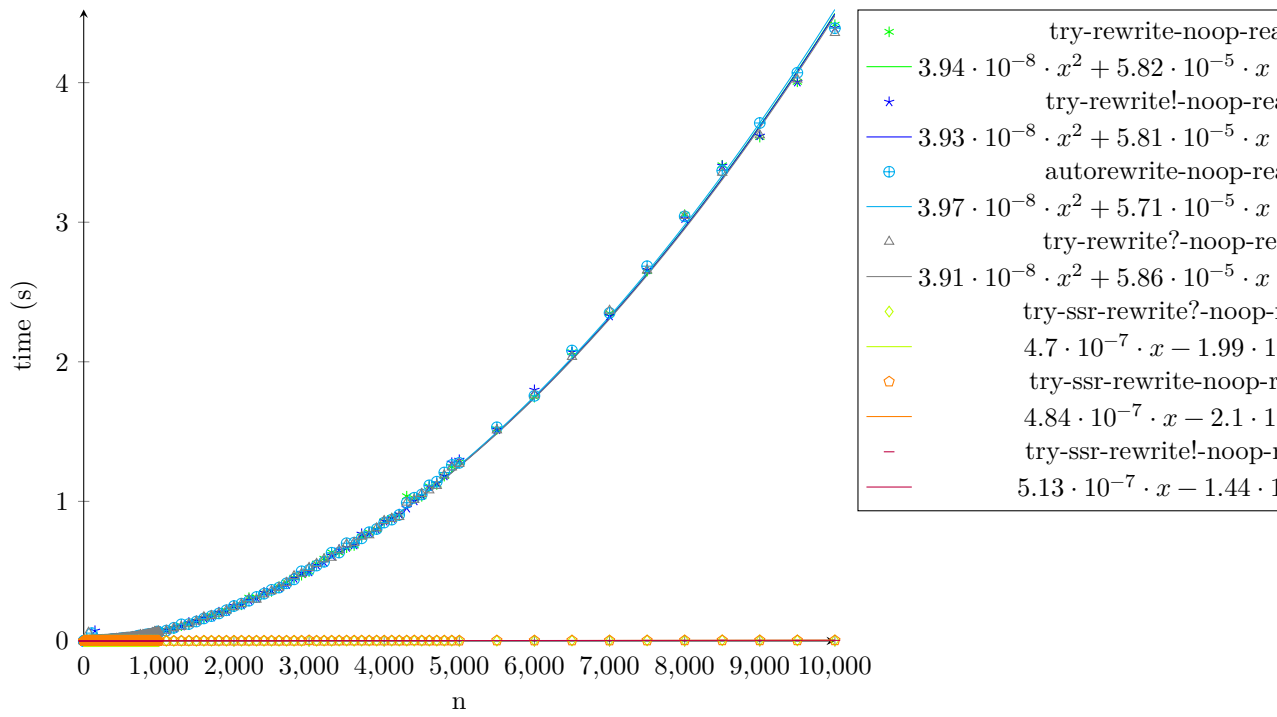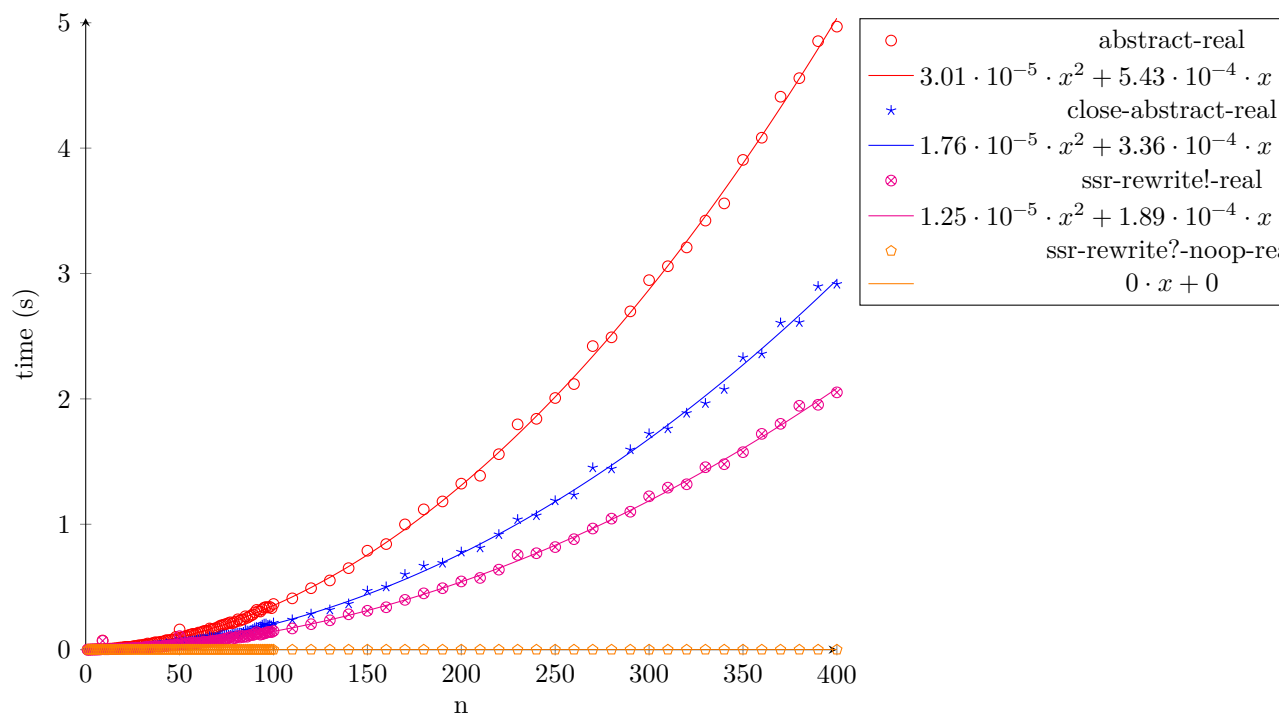- close-abstract+repeat-re... : $2.11 \cdot 10^{-5} \cdot x^2 + 2.94$

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

Figure 7: timing-rewrite-repeated-app-autorewrite-noop
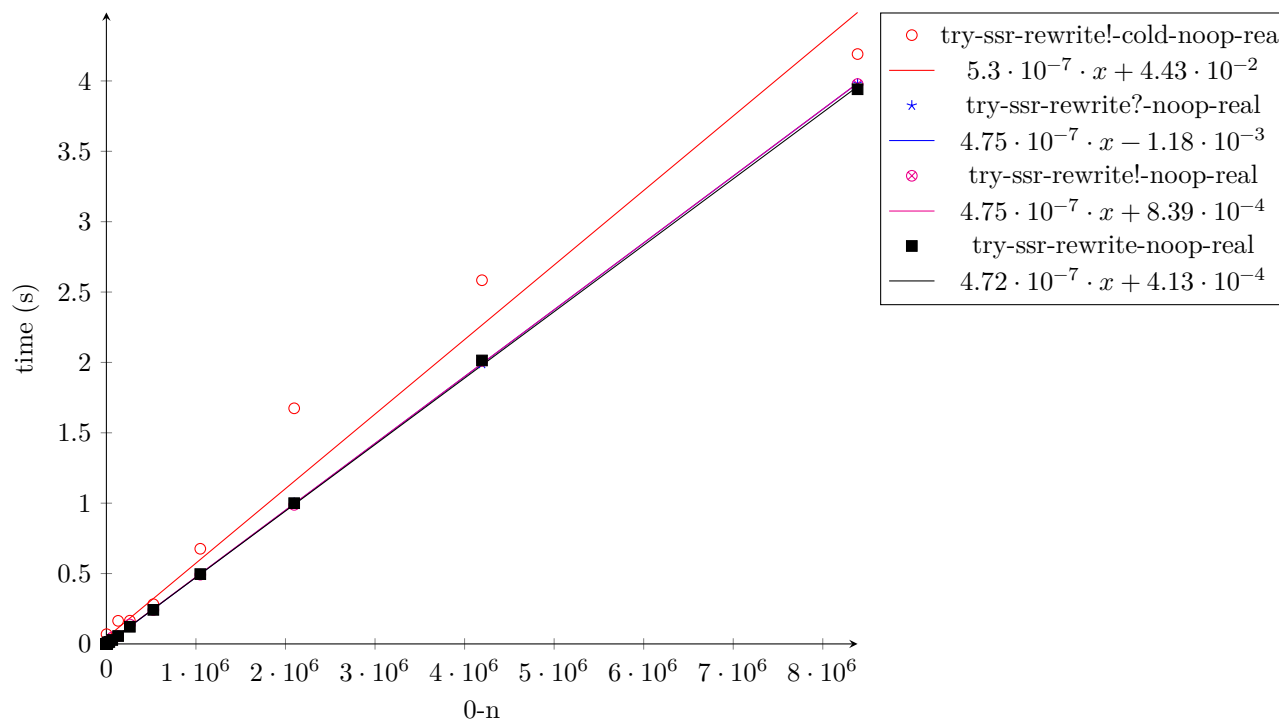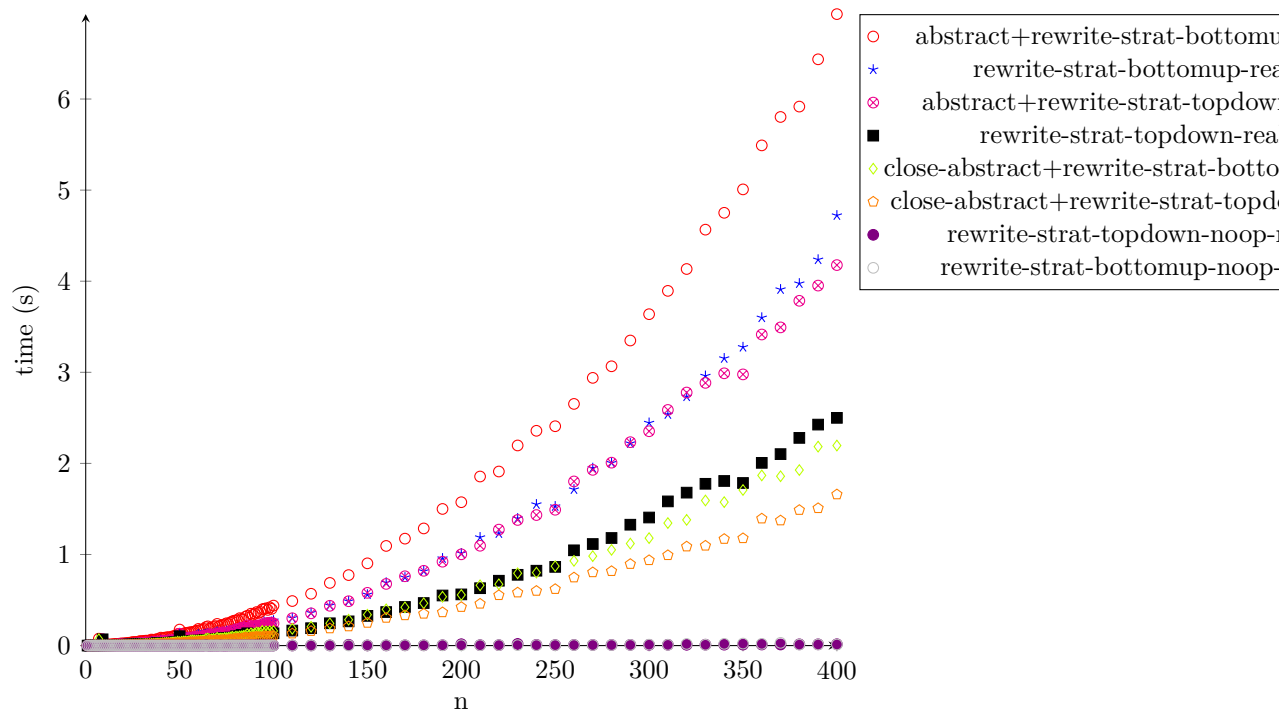
Figure 8: timing-rewrite-repeated-app-ssrrewrite

The legend of the figure contains the following entries:

- abstract-real, $3.01 \cdot 10^{-5} \cdot x^2 + 5.43 \cdot 10^{-4} \cdot x$
- close-abstract-real, $1.76 \cdot 10^{-5} \cdot x^2 + 3.36 \cdot 10^{-4} \cdot x$
- ssr-rewrite!-real, $1.25 \cdot 10^{-5} \cdot x^2 + 1.89 \cdot 10^{-4} \cdot x$
- ssr-rewrite?-noop-real, $0 \cdot x + 0$

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

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

The figure legend entries read:
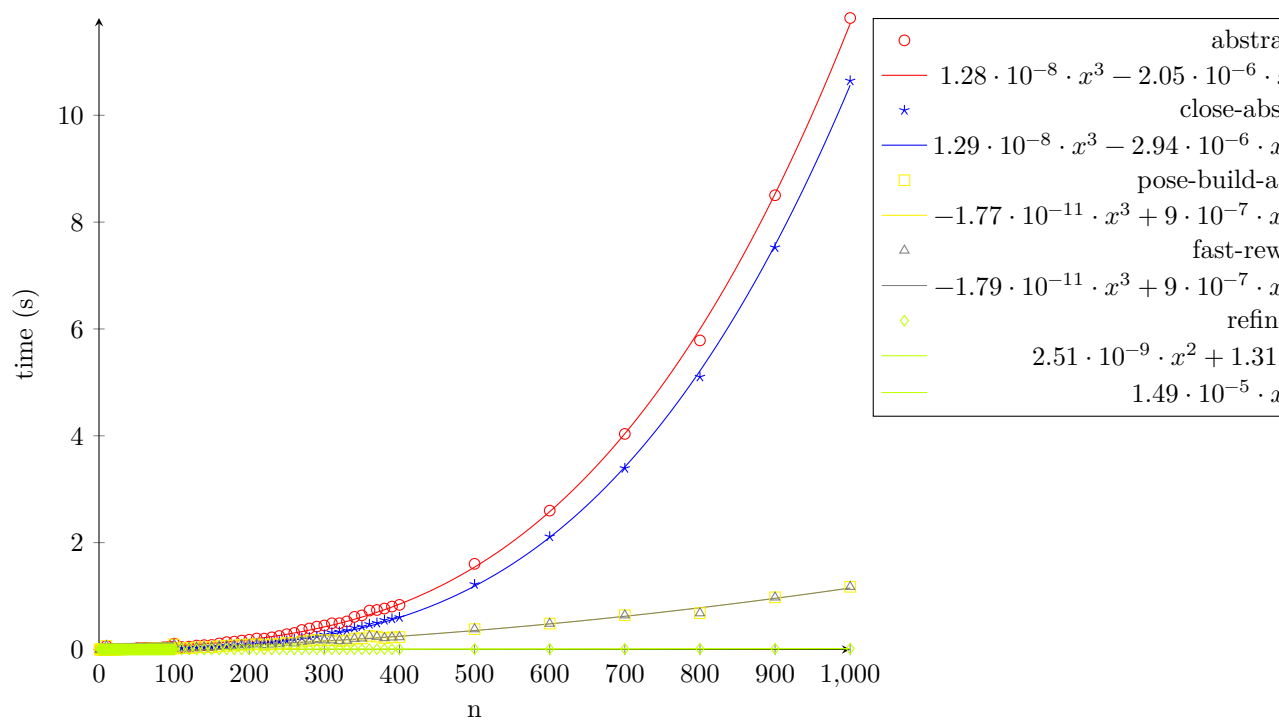- abstract+rewrite-strat-bottomu...
- rewrite-strat-bottomup-rea...
- abstract+rewrite-strat-topdow...
- rewrite-strat-topdown-rea...
- close-abstract+rewrite-strat-botto...
- close-abstract+rewrite-strat-topd...
- rewrite-strat-topdown-noop-...
- rewrite-strat-bottomup-noop-...

Axis labels: time (s) on the vertical axis, n on the horizontal axis.

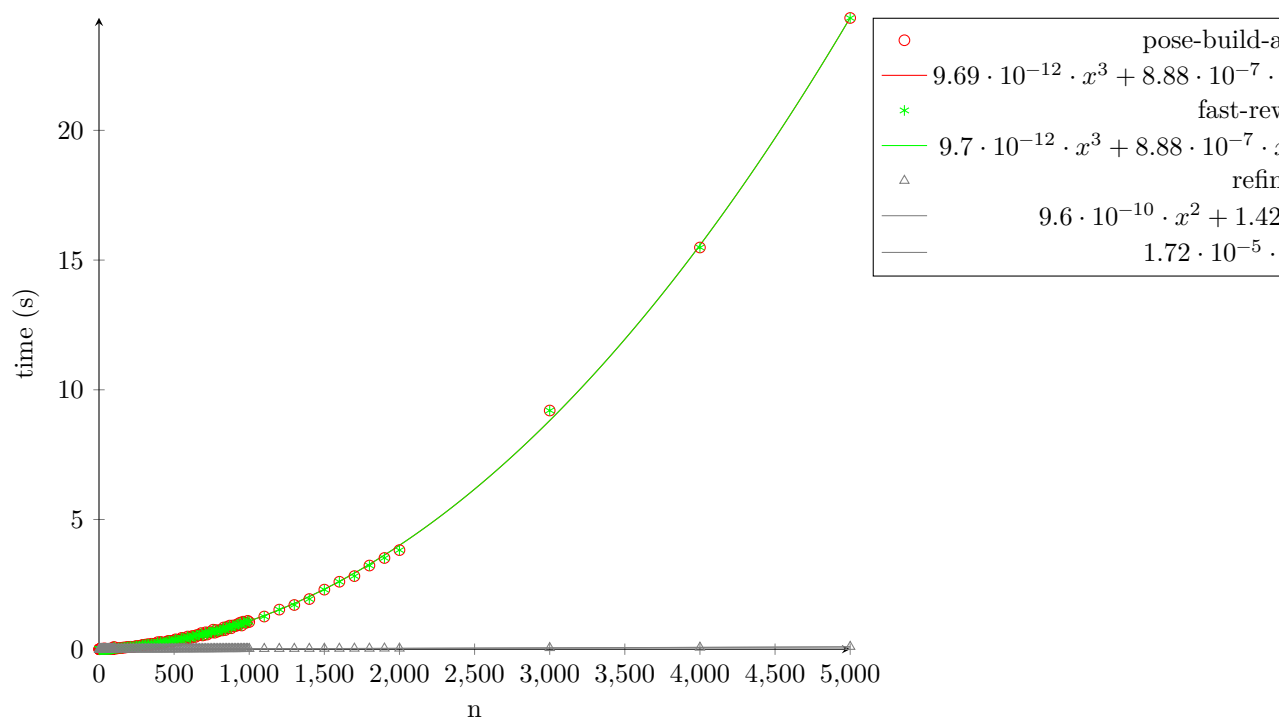Figure 11: timing-rewrite-repeated-app-fast-rewrite

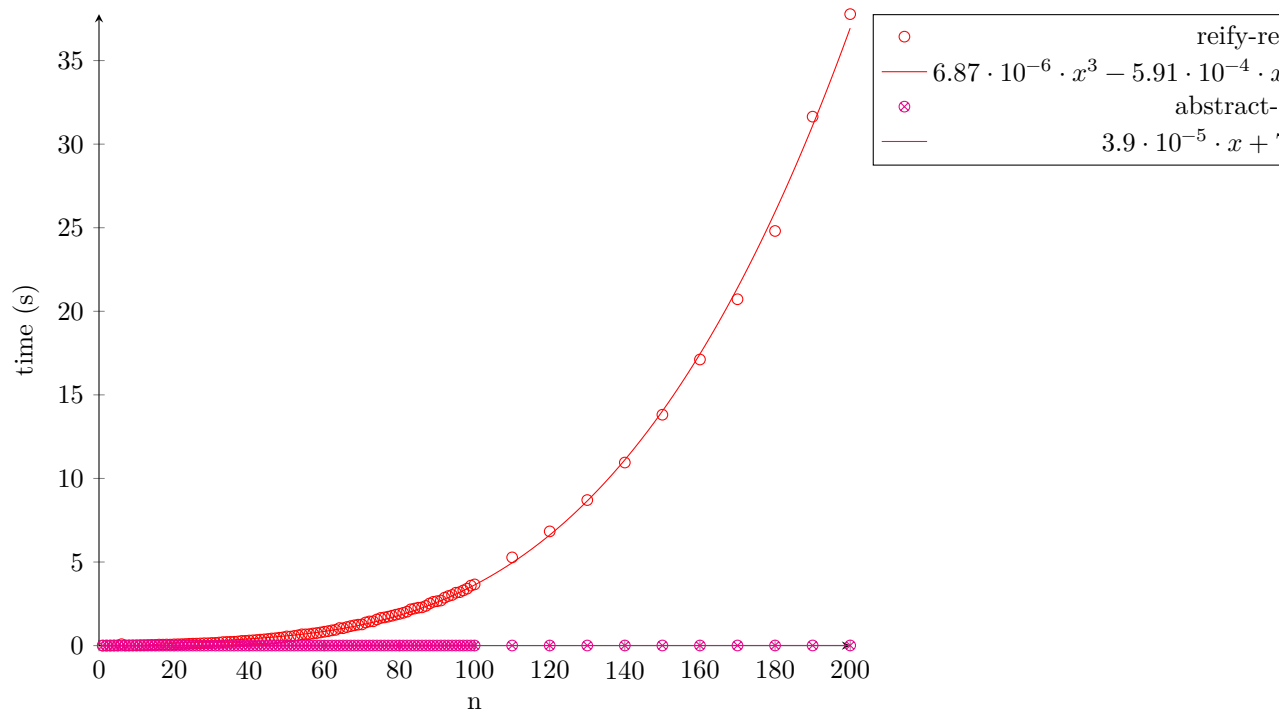Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract
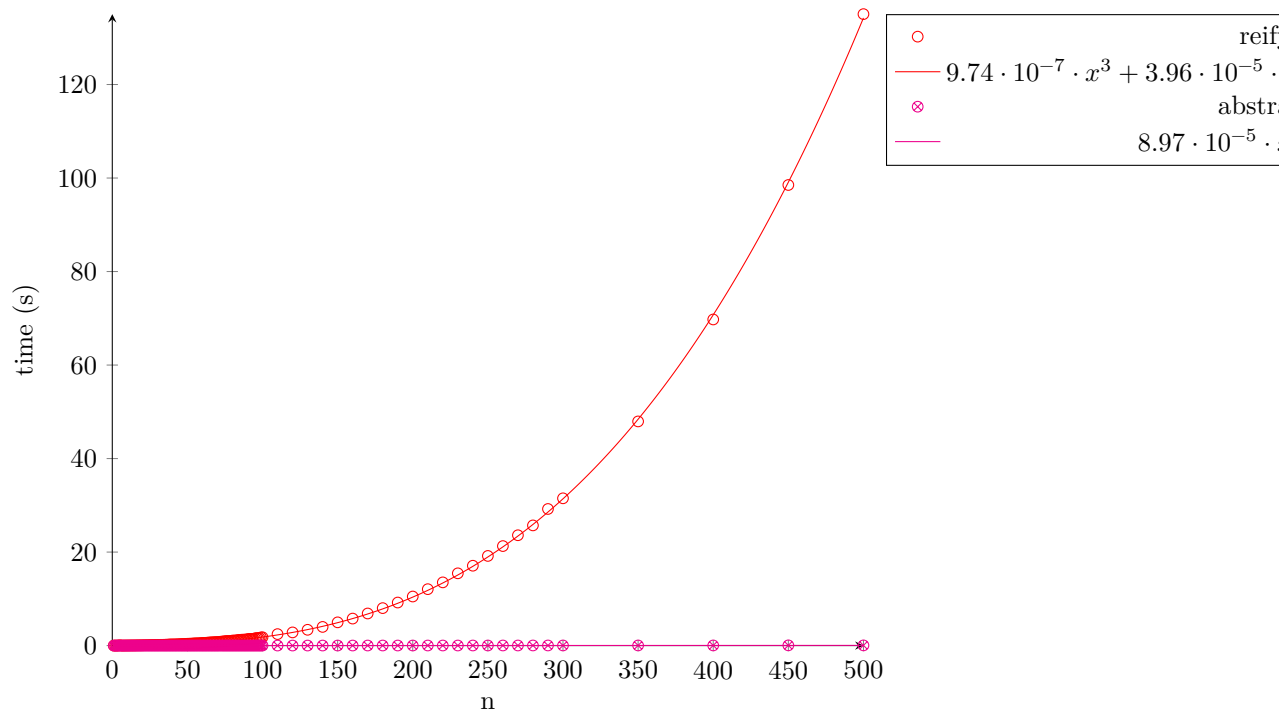
Figure 13: timing-typeclass-reification-let-in-HOAS

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