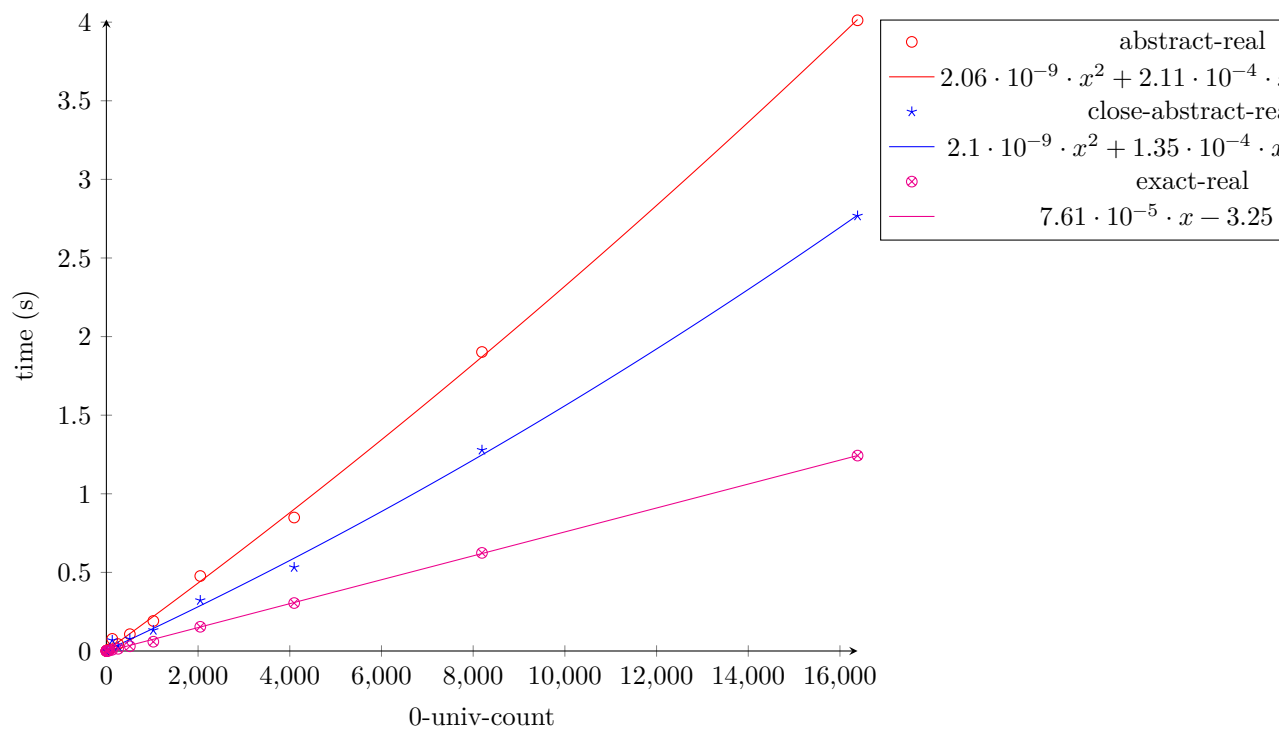Figure 1: timing-pattern

1

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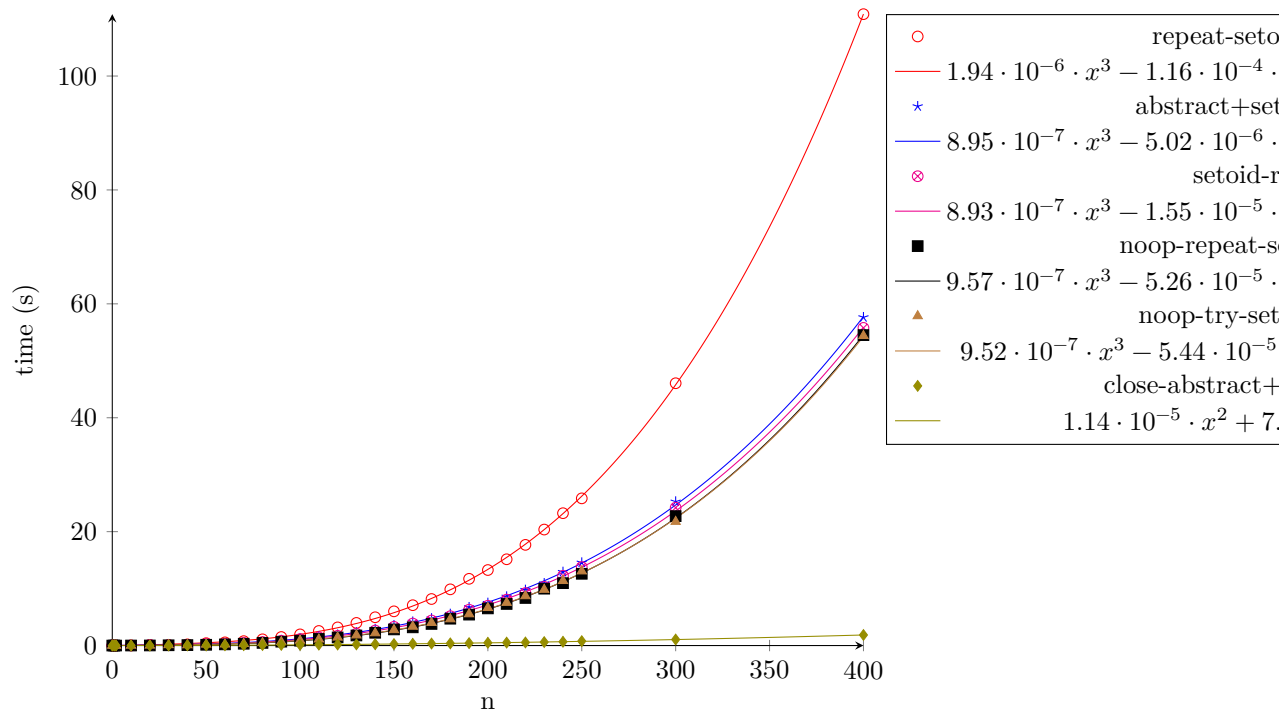
Figure 3: timing-repeat-setoid-rewrite-under-binders
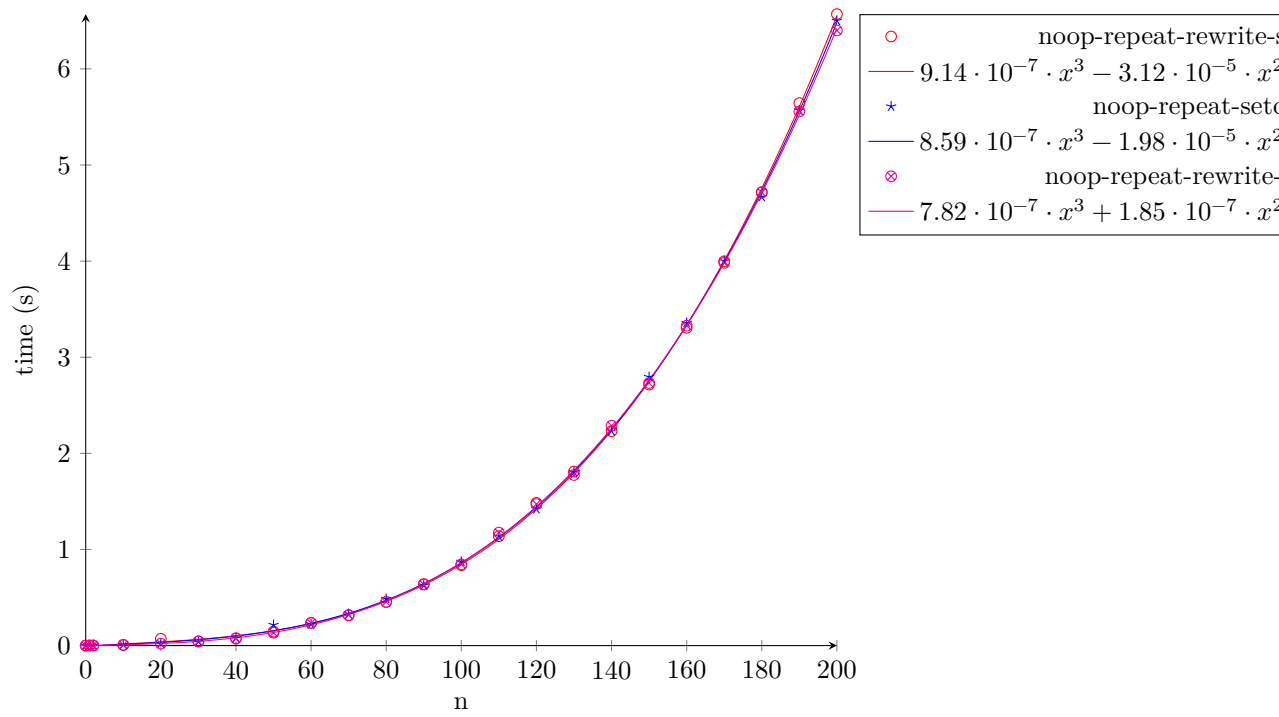
3

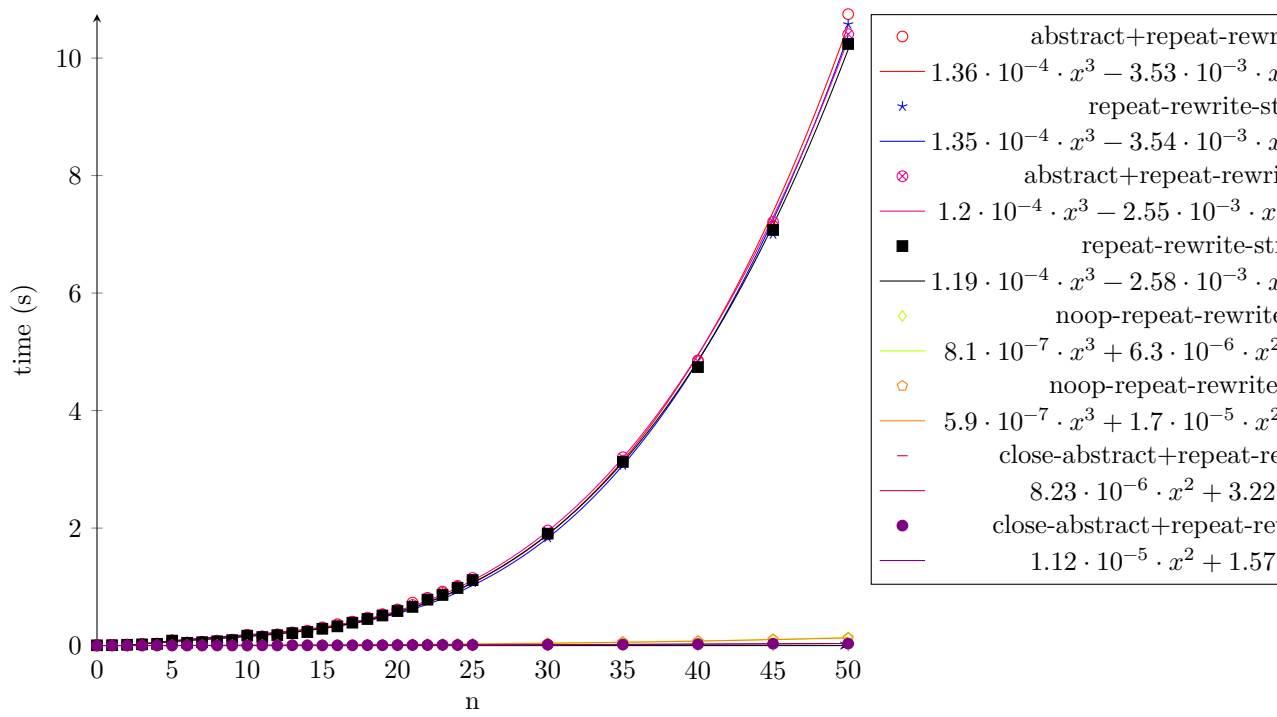Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

4

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

○ abstract+repeat-rewr
— $1.36 \cdot 10^{-4} \cdot x^3 - 3.53 \cdot 10^{-3} \cdot x$
★ repeat-rewrite-st
— $1.35 \cdot 10^{-4} \cdot x^3 - 3.54 \cdot 10^{-3} \cdot x$
⊗ abstract+repeat-rewr
— $1.2 \cdot 10^{-4} \cdot x^3 - 2.55 \cdot 10^{-3} \cdot x$
■ repeat-rewrite-st
— $1.19 \cdot 10^{-4} \cdot x^3 - 2.58 \cdot 10^{-3} \cdot x$
◇ noop-repeat-rewrite
— $8.1 \cdot 10^{-7} \cdot x^3 + 6.3 \cdot 10^{-6} \cdot x^2$
⬠ noop-repeat-rewrite
— $5.9 \cdot 10^{-7} \cdot x^3 + 1.7 \cdot 10^{-5} \cdot x^2$
– close-abstract+repeat-re
— $8.23 \cdot 10^{-6} \cdot x^2 + 3.22$
● close-abstract+repeat-re
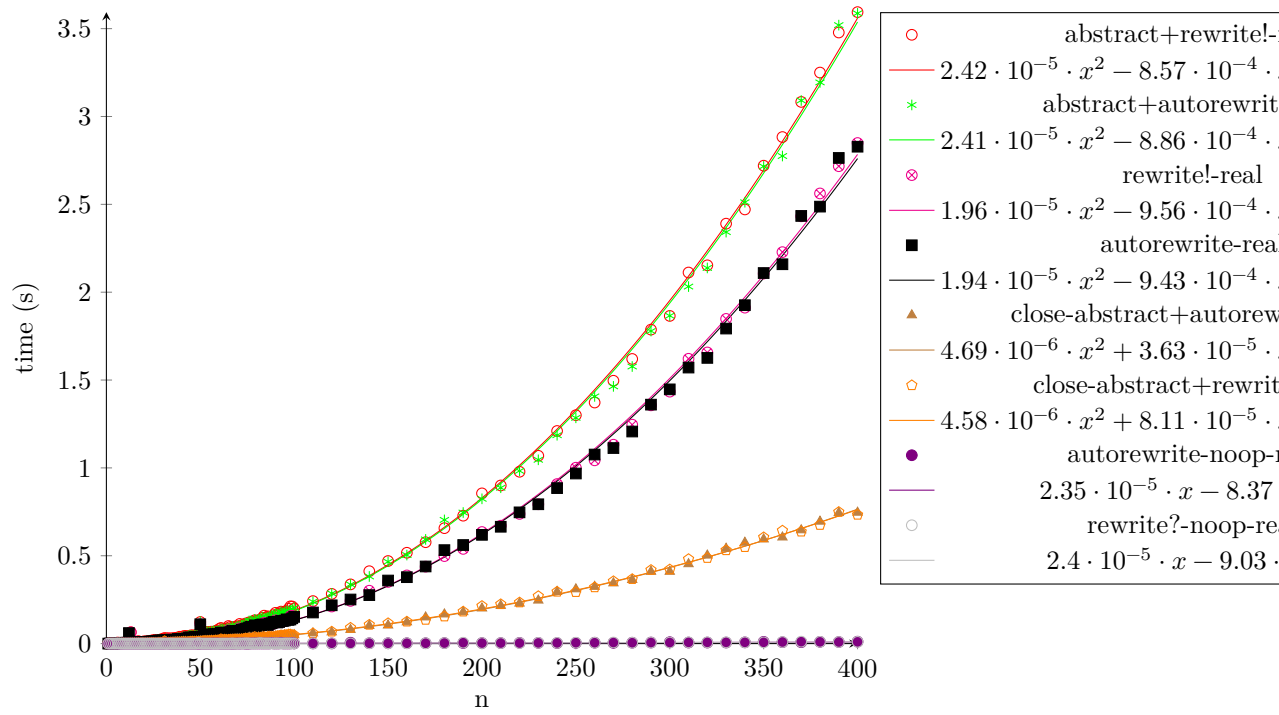— $1.12 \cdot 10^{-5} \cdot x^2 + 1.57$

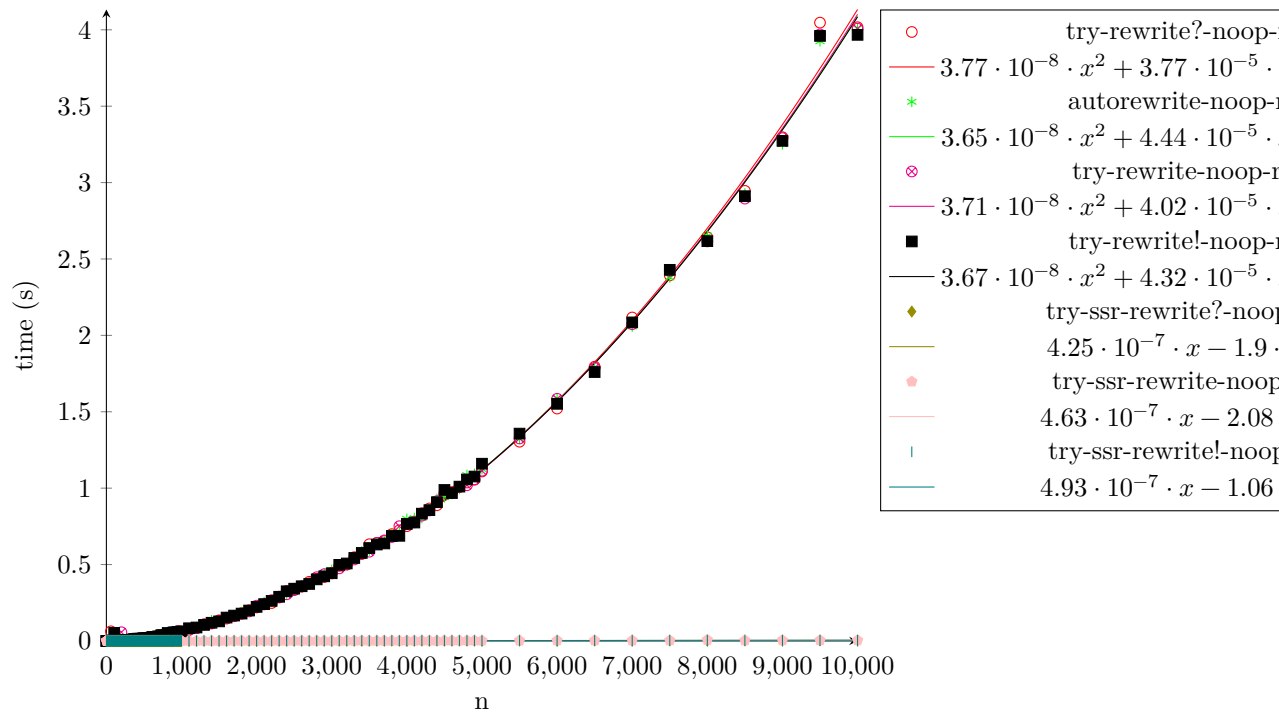Figure 6: timing-rewrite-repeated-app-autorewrite

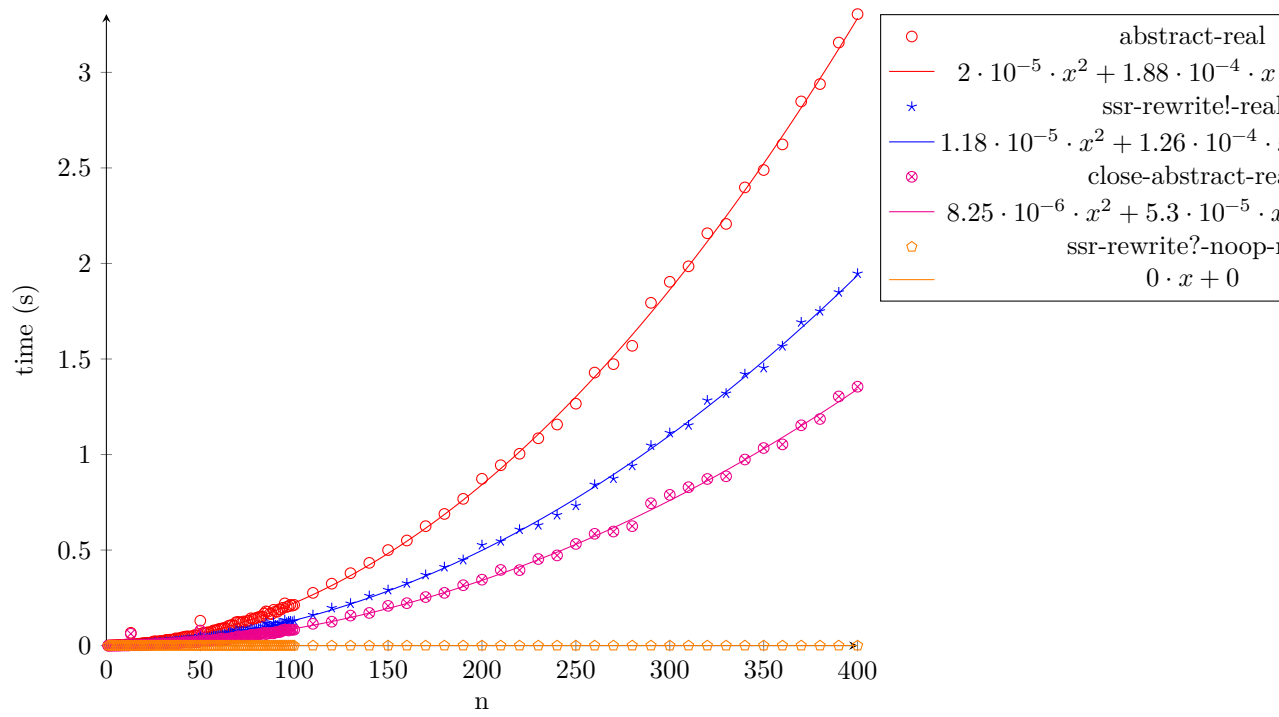Figure 7: timing-rewrite-repeated-app-autorewrite-noop

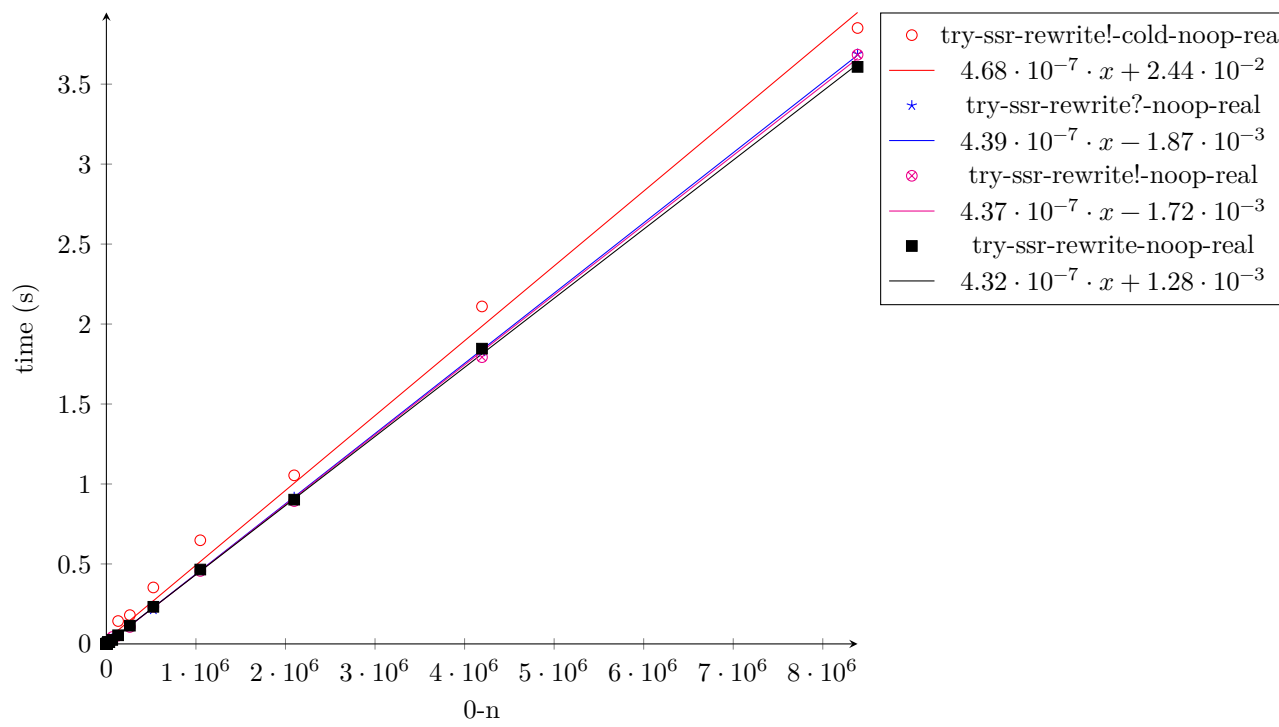Figure 8: timing-rewrite-repeated-app-ssrrewrite

Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn 1
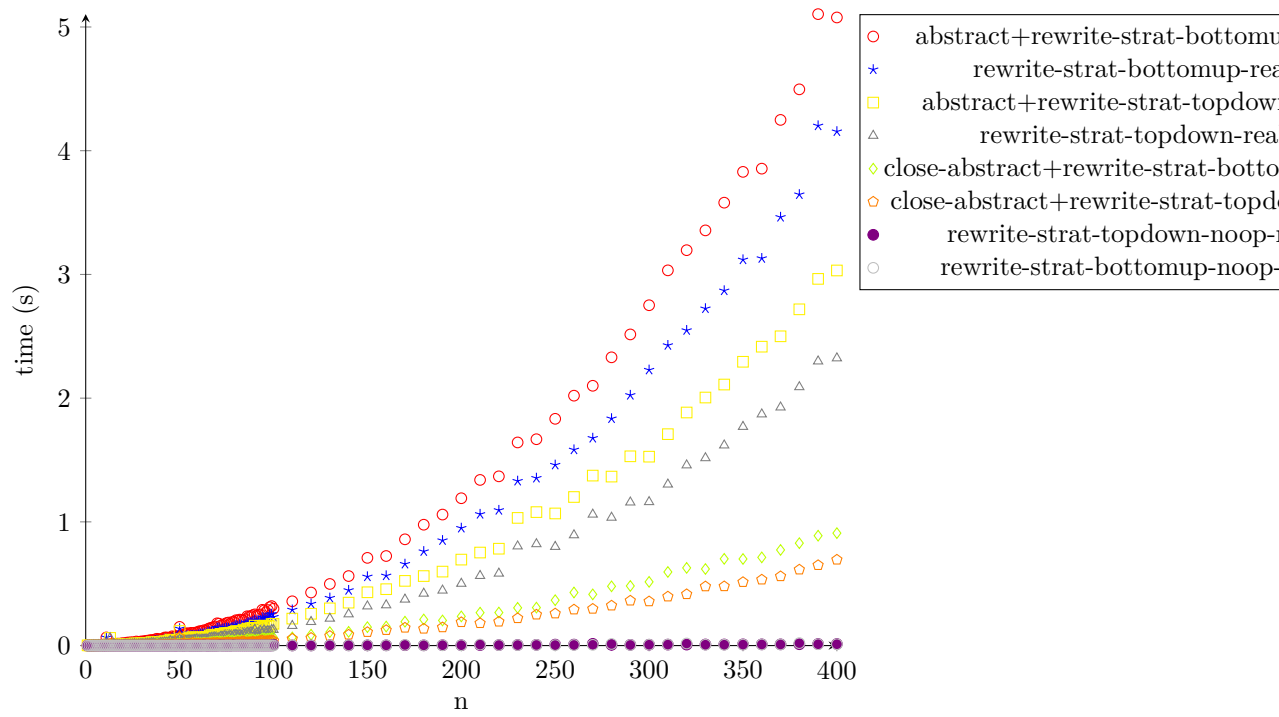
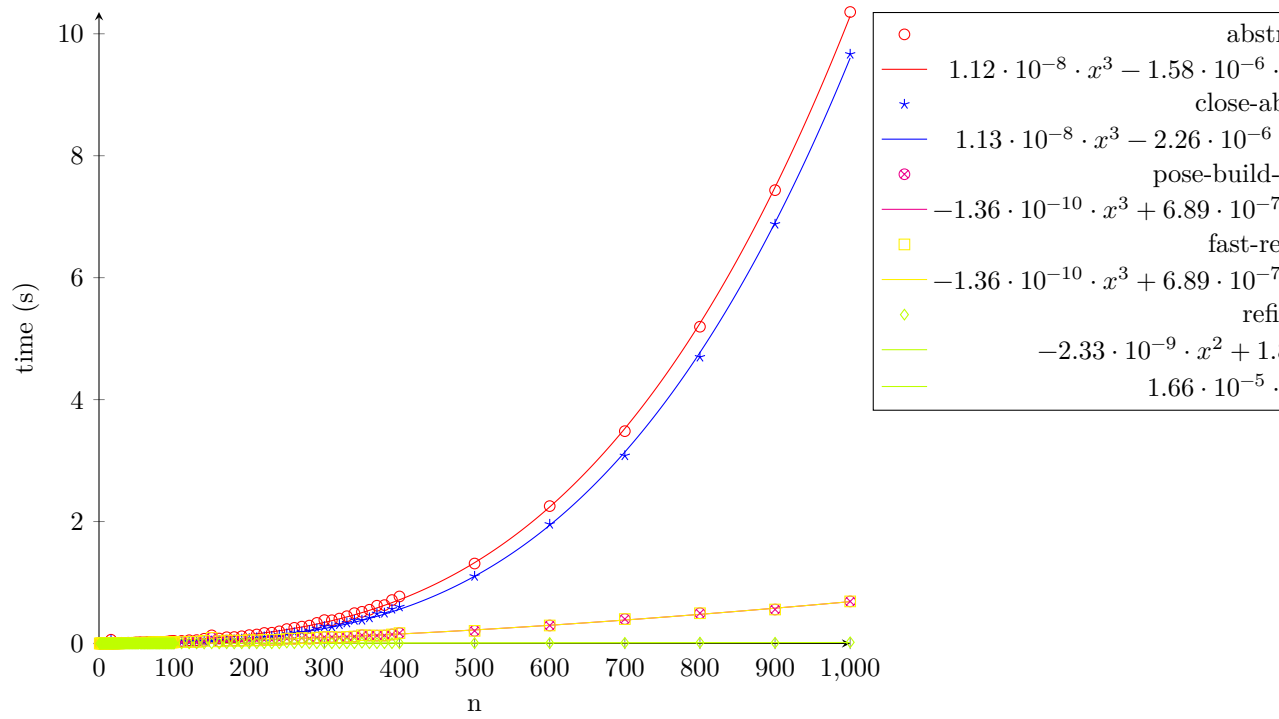Figure 10: timing-rewrite-repeated-app-rewrite-strat
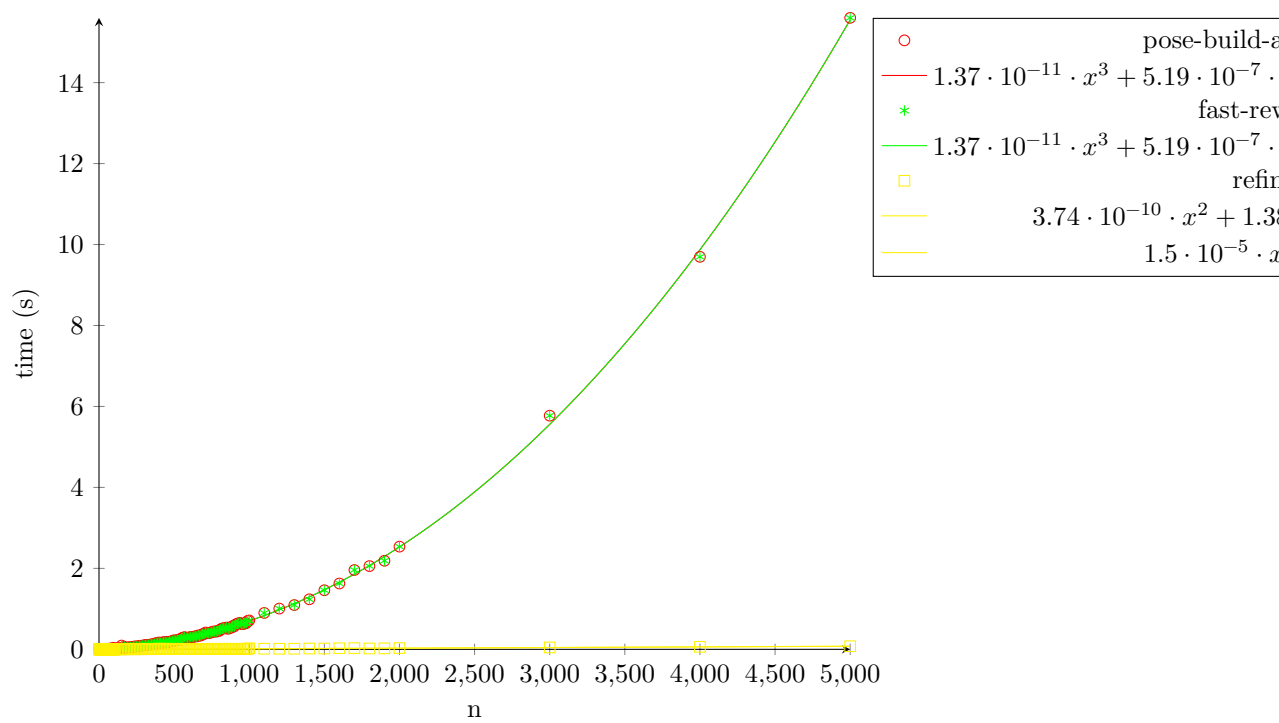
Figure 11: timing-rewrite-repeated-app-fast-rewrite

Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract
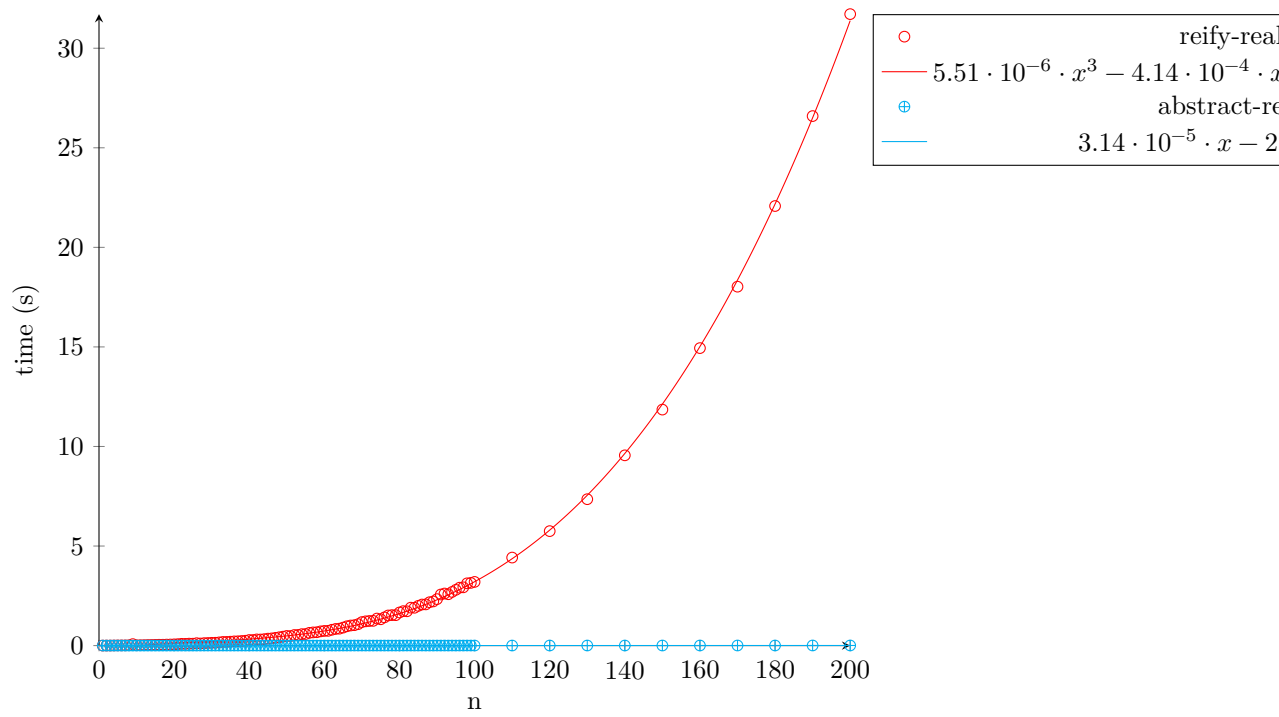
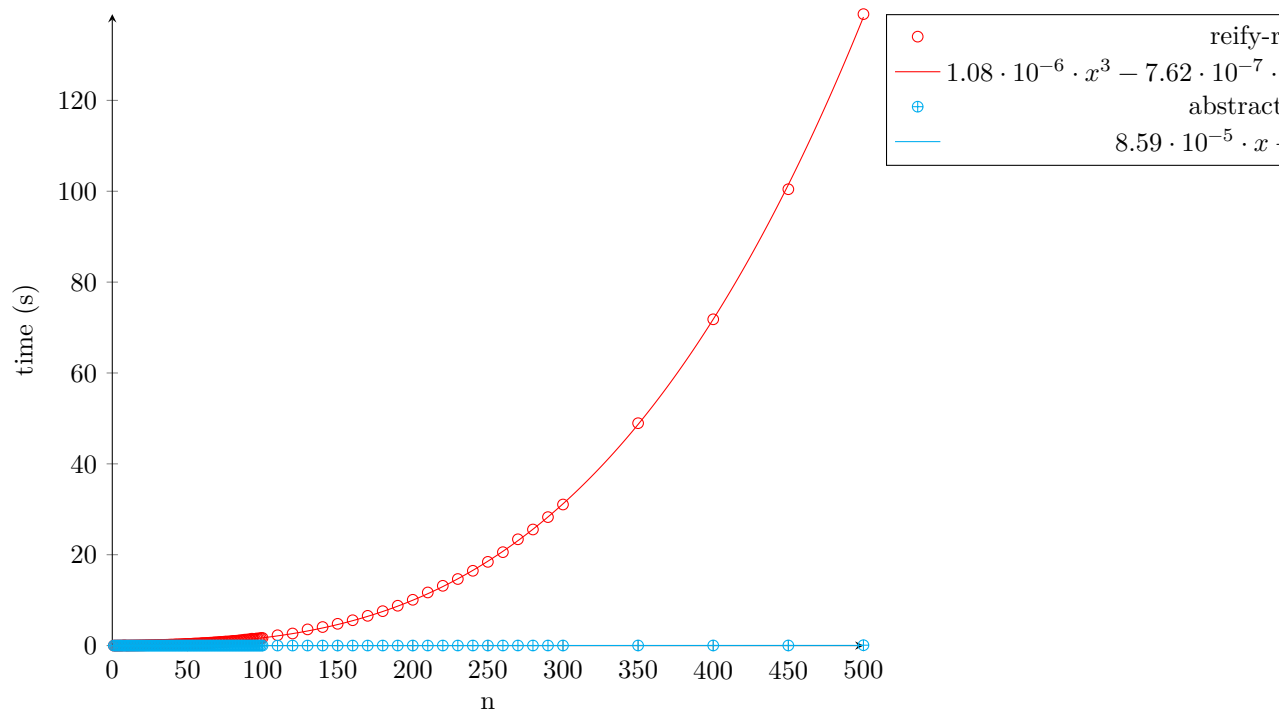Figure 13: timing-typeclass-reification-let-in-HOAS
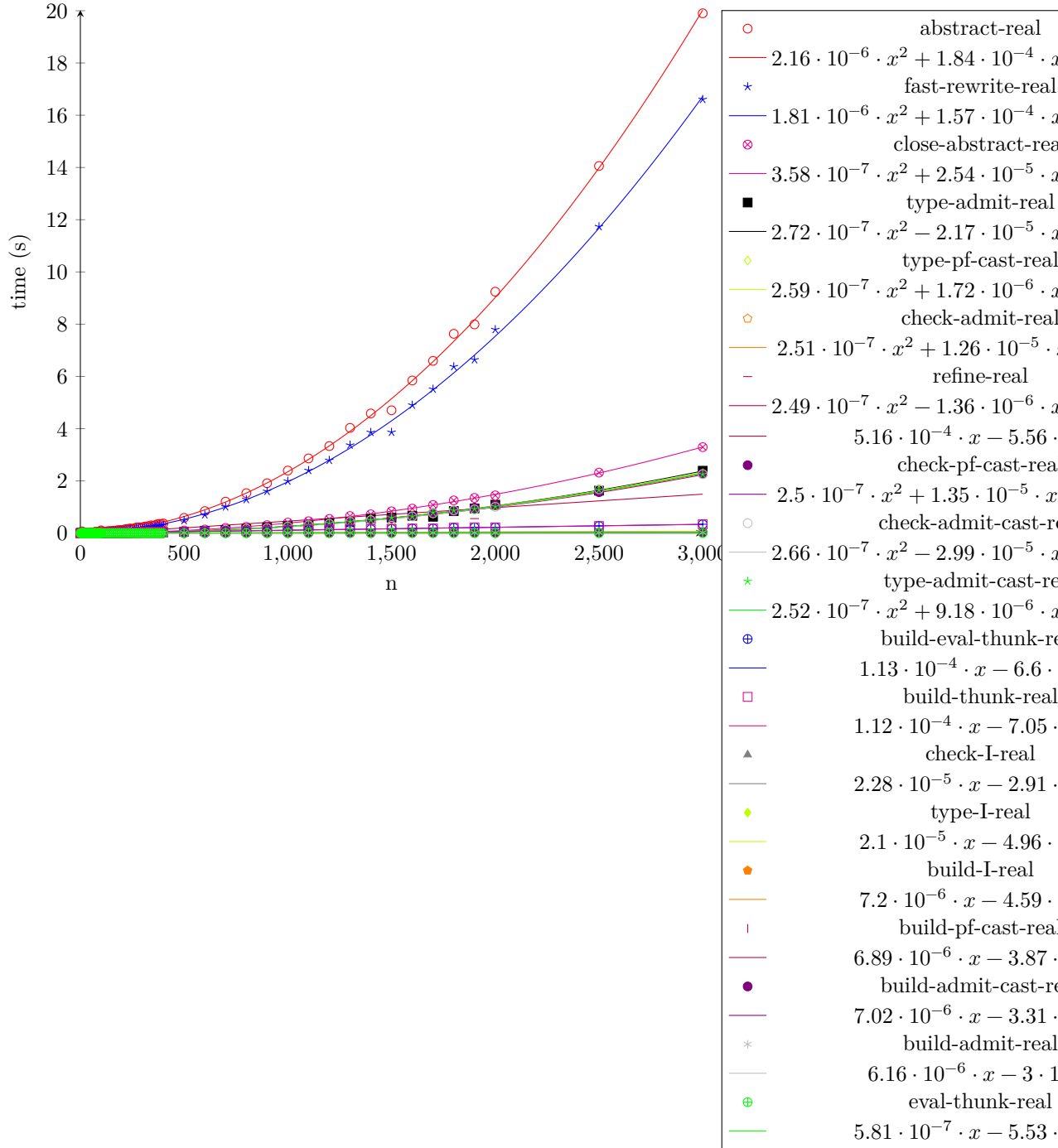
Figure 14: timing-typeclass-reification-let-in-PHOAS

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