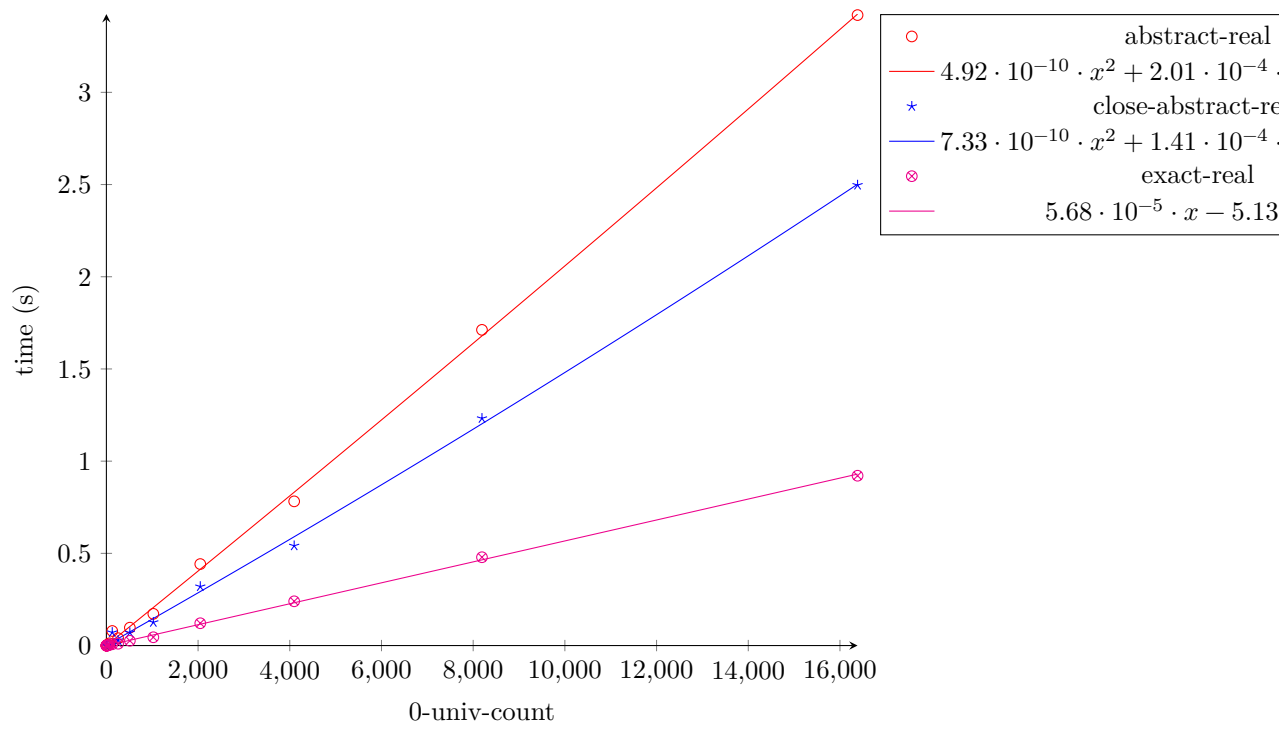Figure 1: timing-pattern

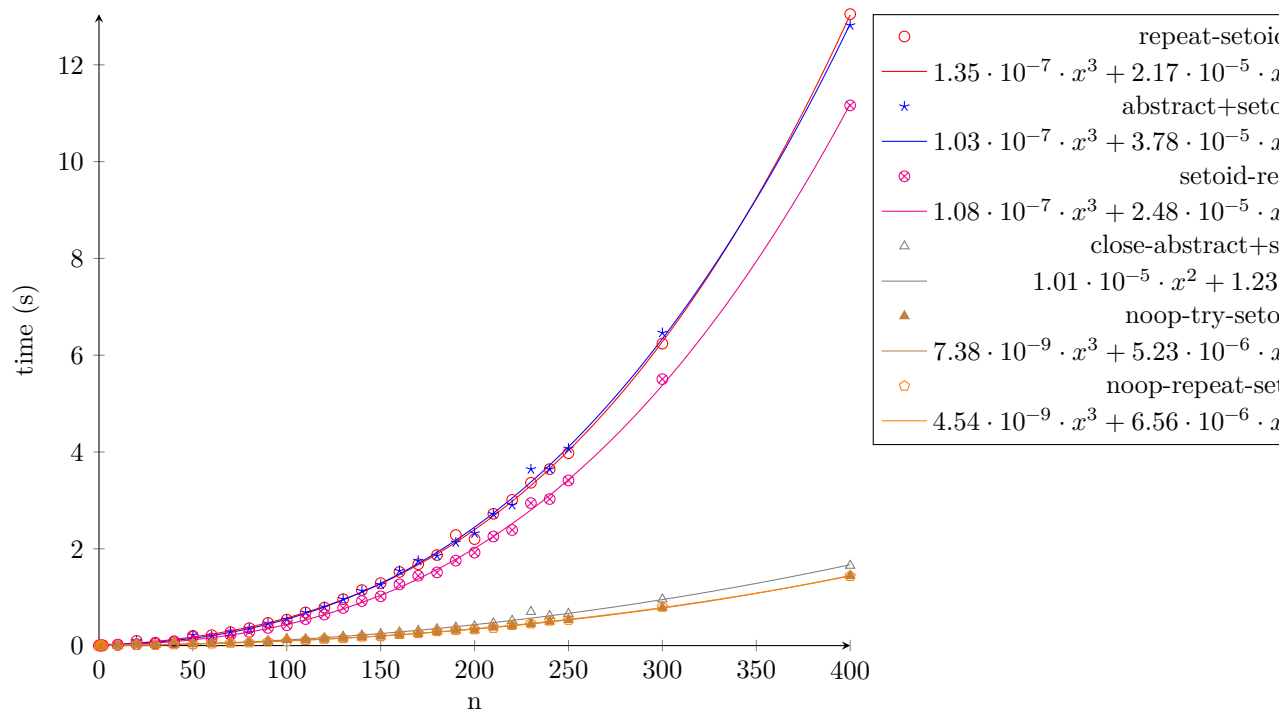Figure 2: timing-n-polymorphic-universes param-1-n 0

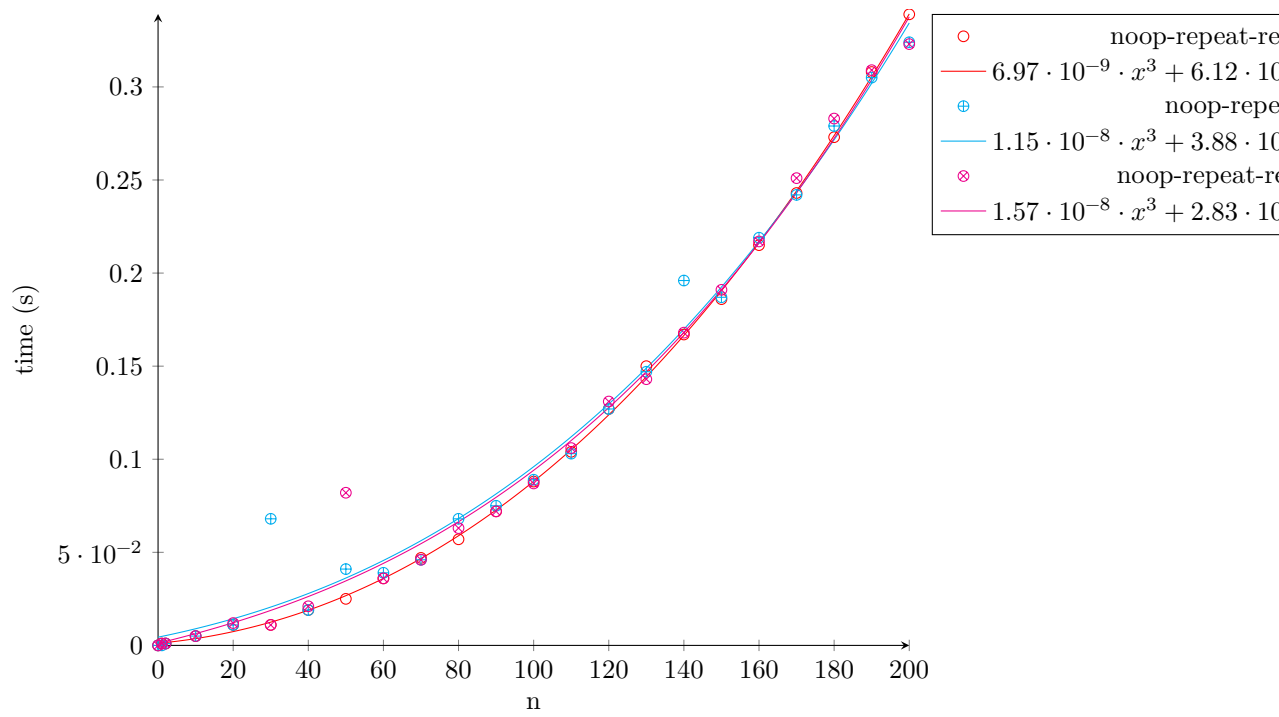Figure 3: timing-repeat-setoid-rewrite-under-binders

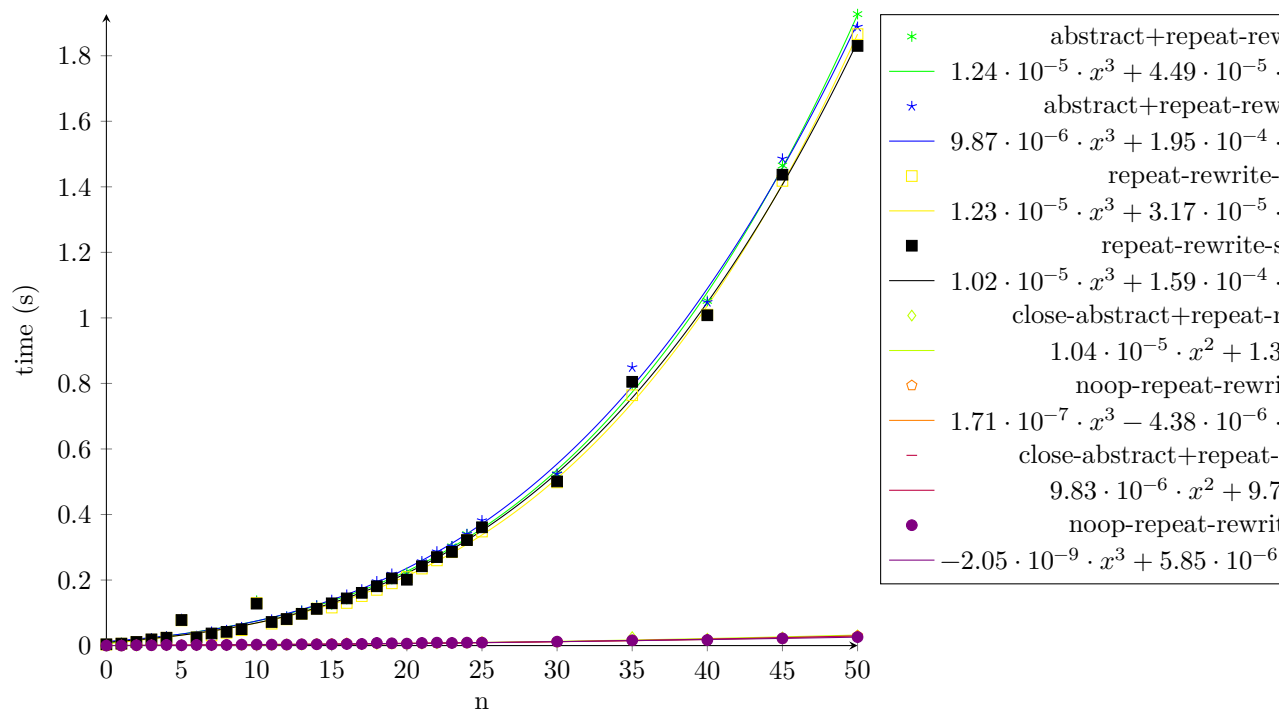Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

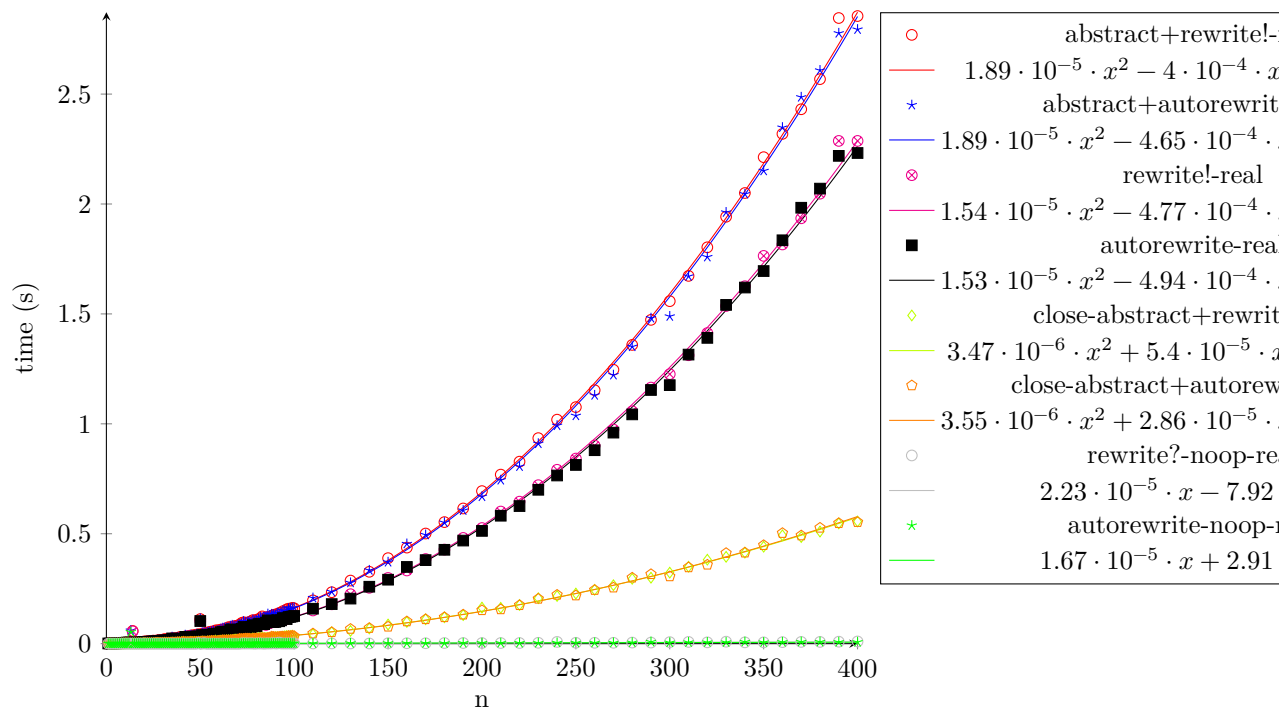Figure 5: timing-rewrite-strat-under-binders

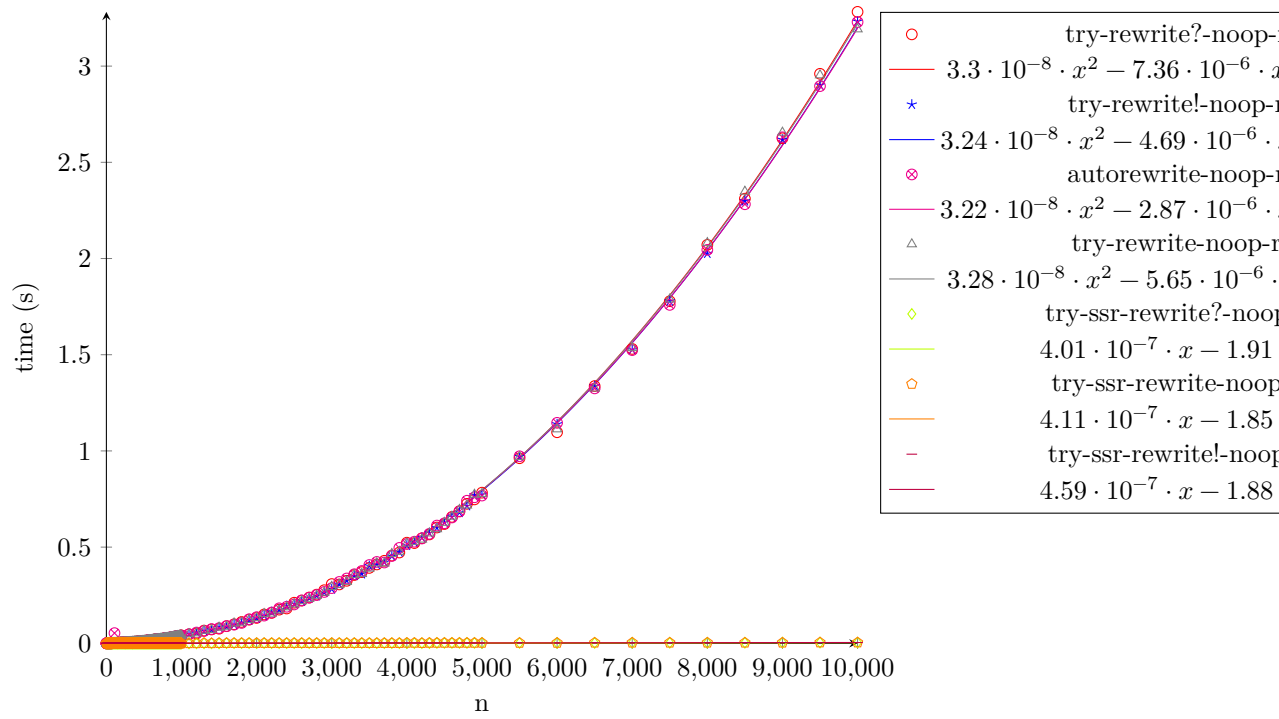Figure 6: timing-rewrite-repeated-app-autorewrite

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

Figure 8: timing-rewrite-repeated-app-ssrrewrite
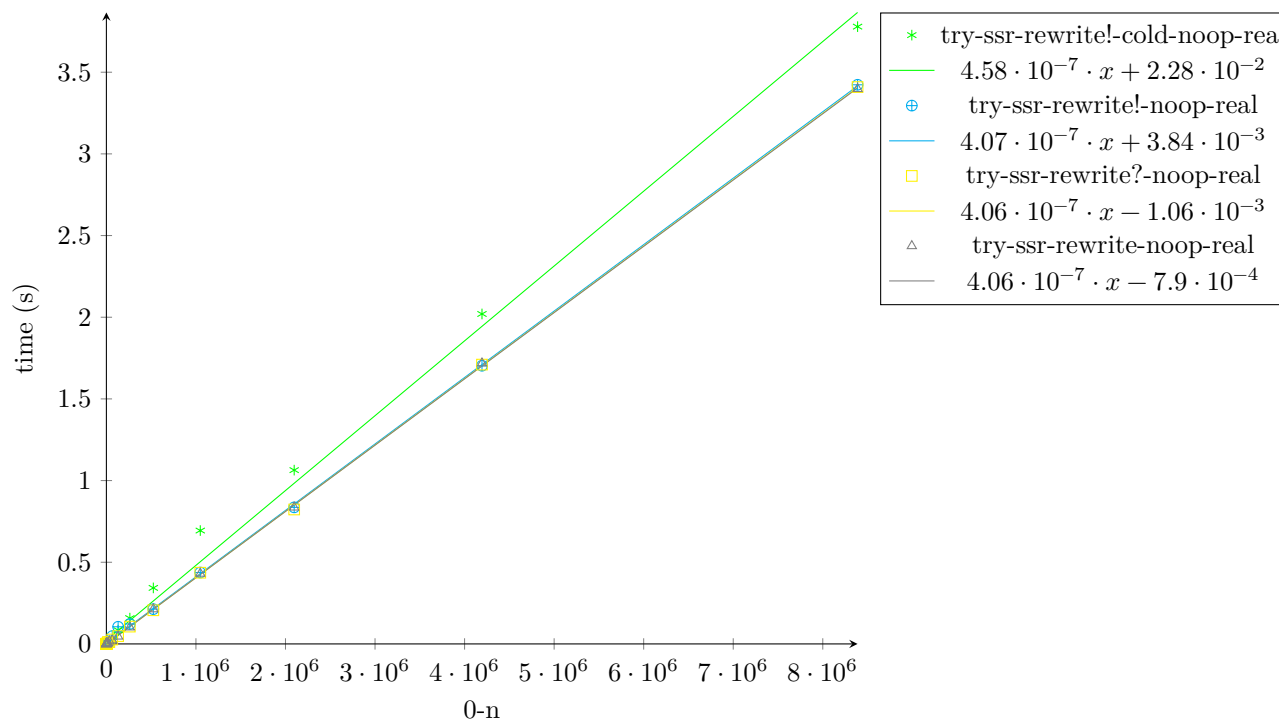
Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn 1
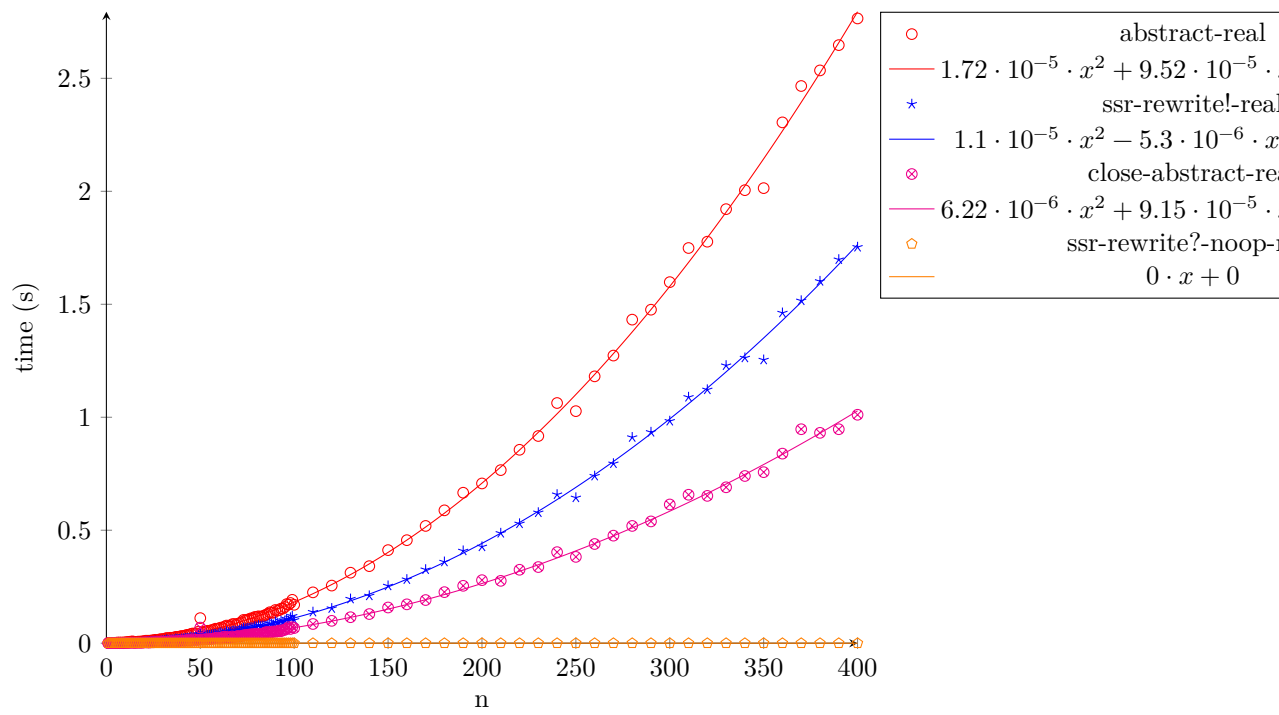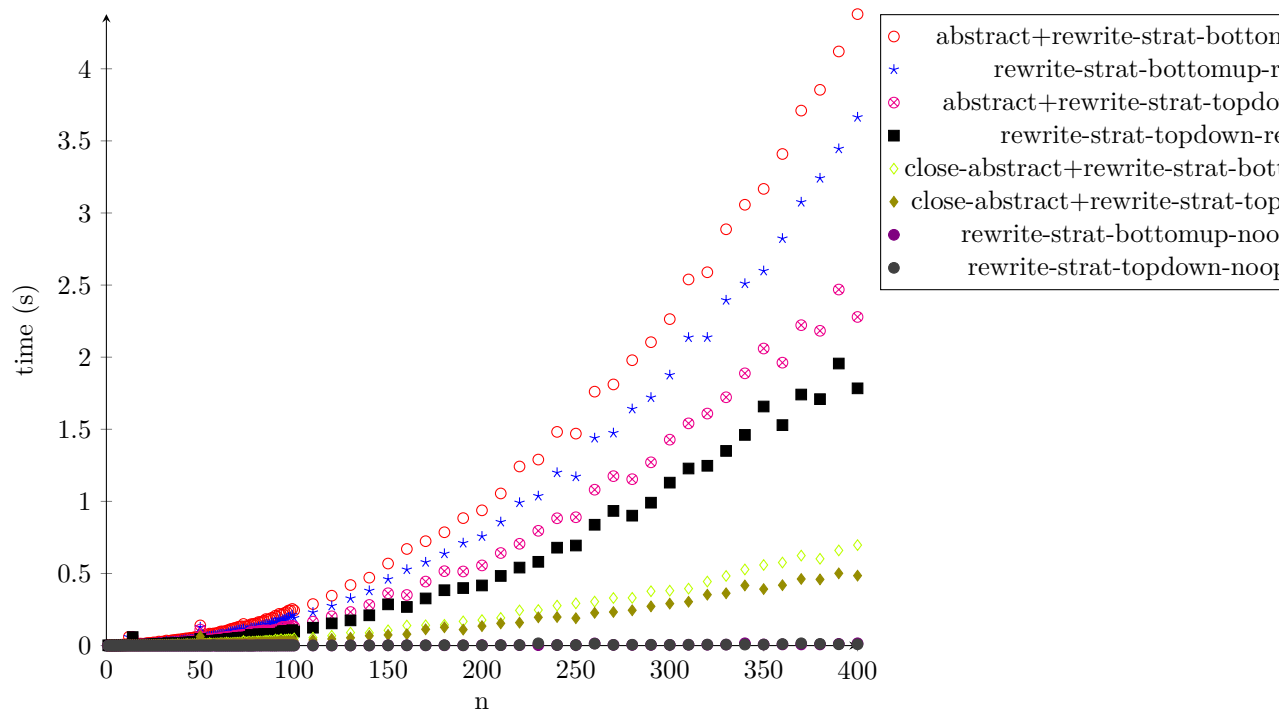
Figure 10: timing-rewrite-repeated-app-rewrite-strat
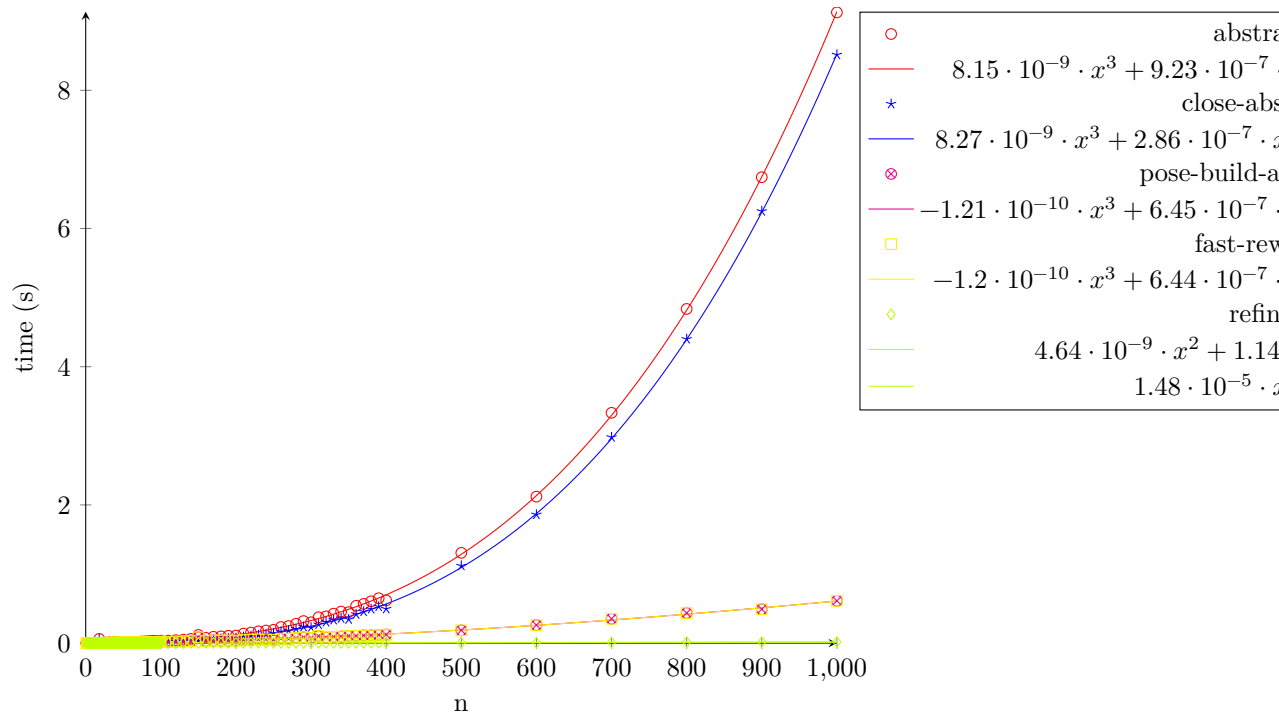
Figure 11: timing-rewrite-repeated-app-fast-rewrite
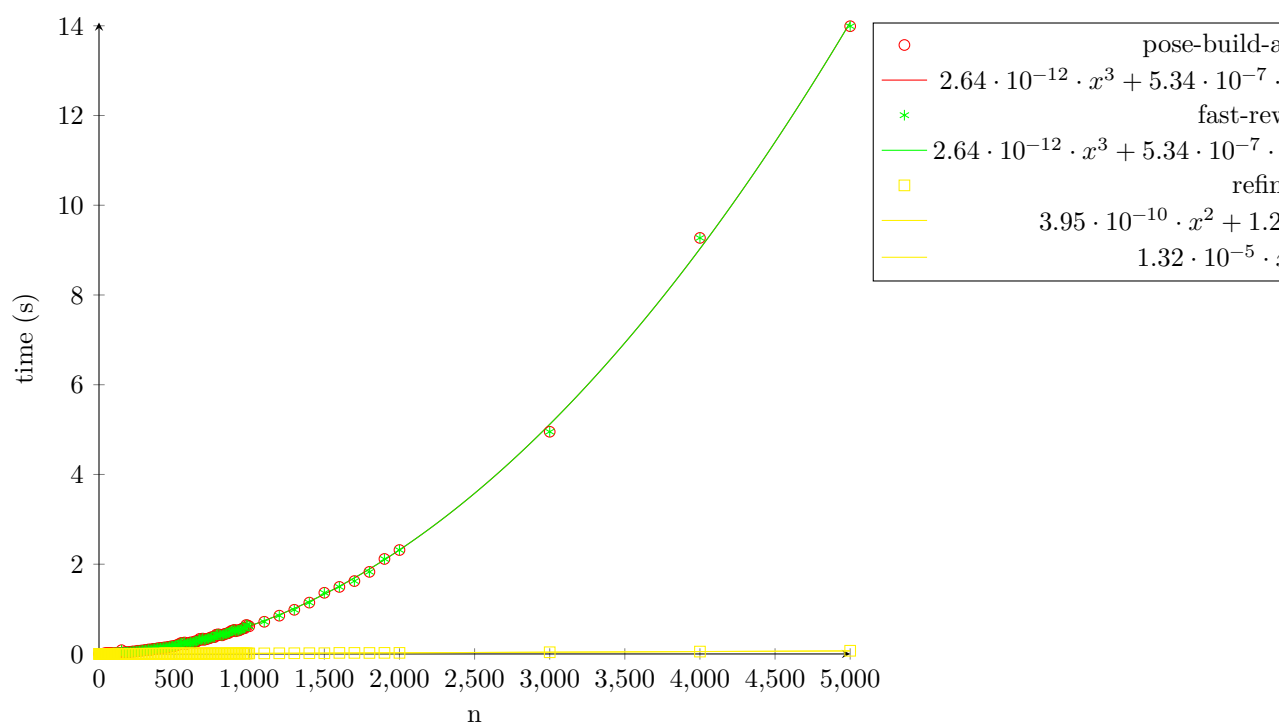
Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract
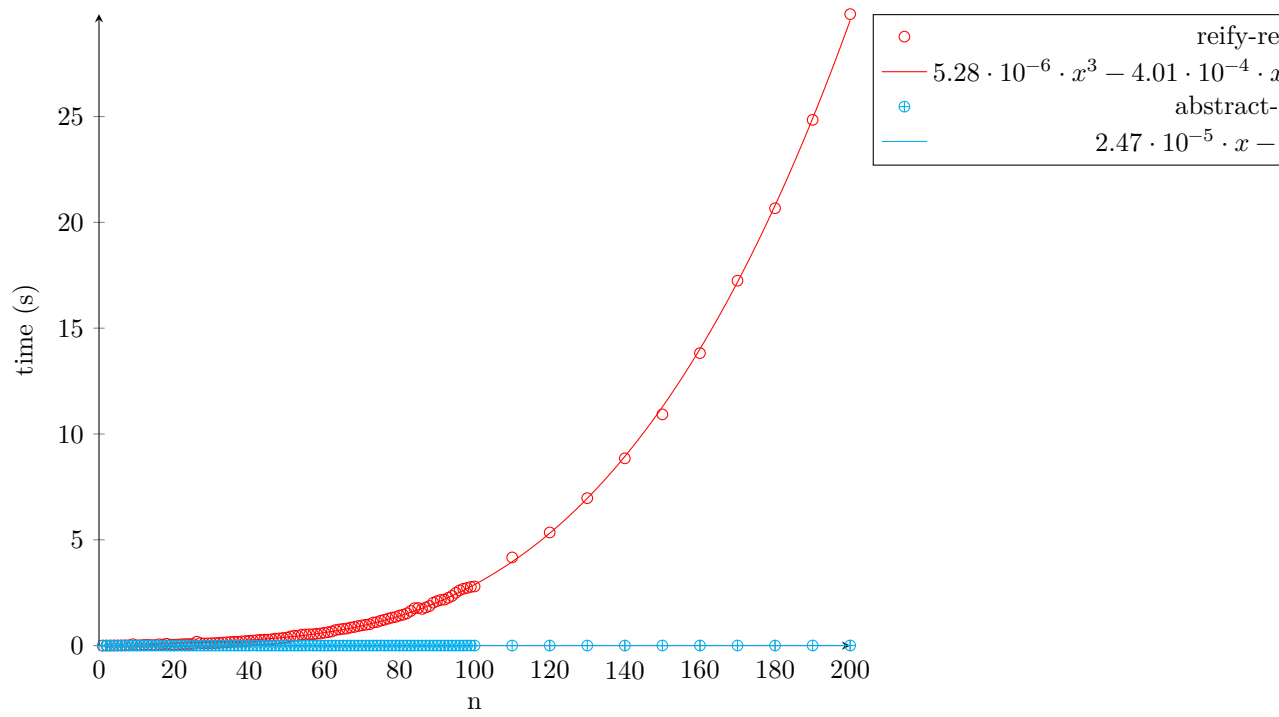
Figure 13: timing-typeclass-reification-let-in-HOAS
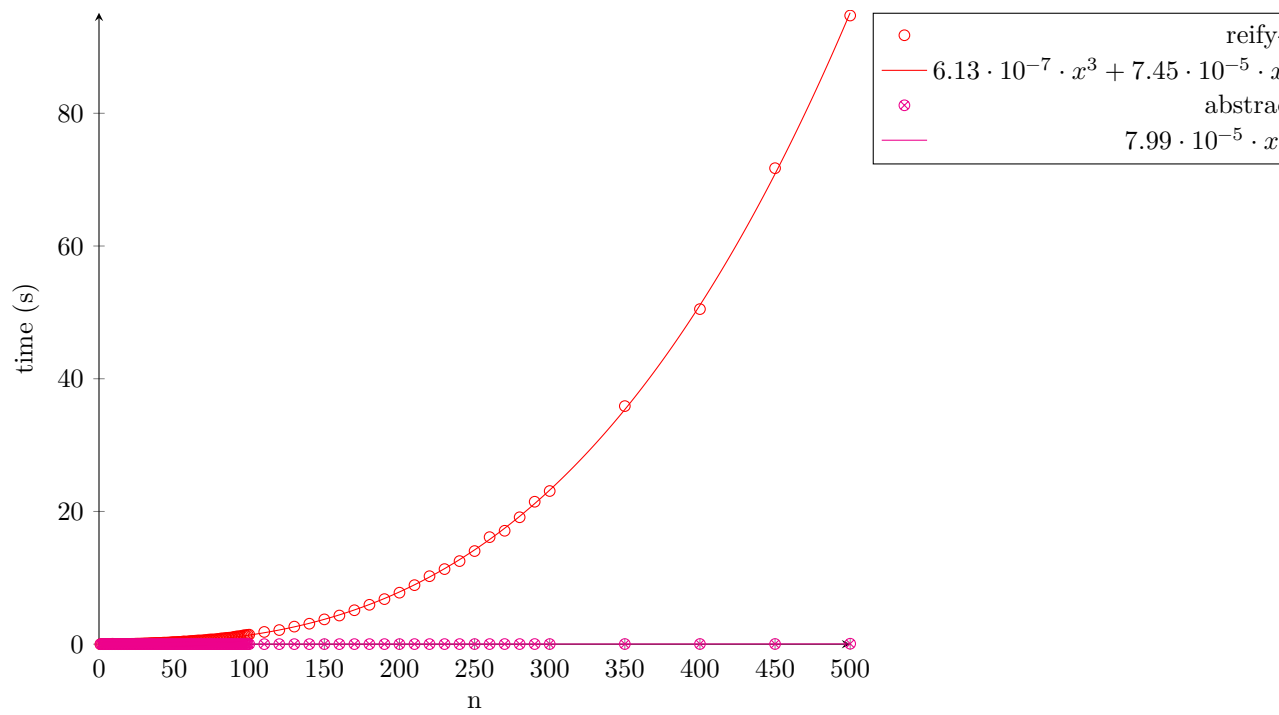
Figure 14: timing-typeclass-reification-let-in-PHOAS

Figure 15: timing-rewrite-lift-lets-map param-1-n 1, param-2-m 1

Figure 16: timing-rewrite-plus-0-tree param-1-n 0, param-2-m 1, param-3-input-size 5, param-4-output-size 3, param-5-num-rewrites 1

Figure 17: timing-sieve-of-eratosthenes

Figure 18: timing-rewrite-under-lets-plus-0

- abstract-real
- $2.77 \cdot 10^{-6} \cdot x^2 - 1.82 \cdot 10^{-3}$
- fast-rewrite-real
- $2.5 \cdot 10^{-6} \cdot x^2 - 1.84 \cdot 10^{-3}$
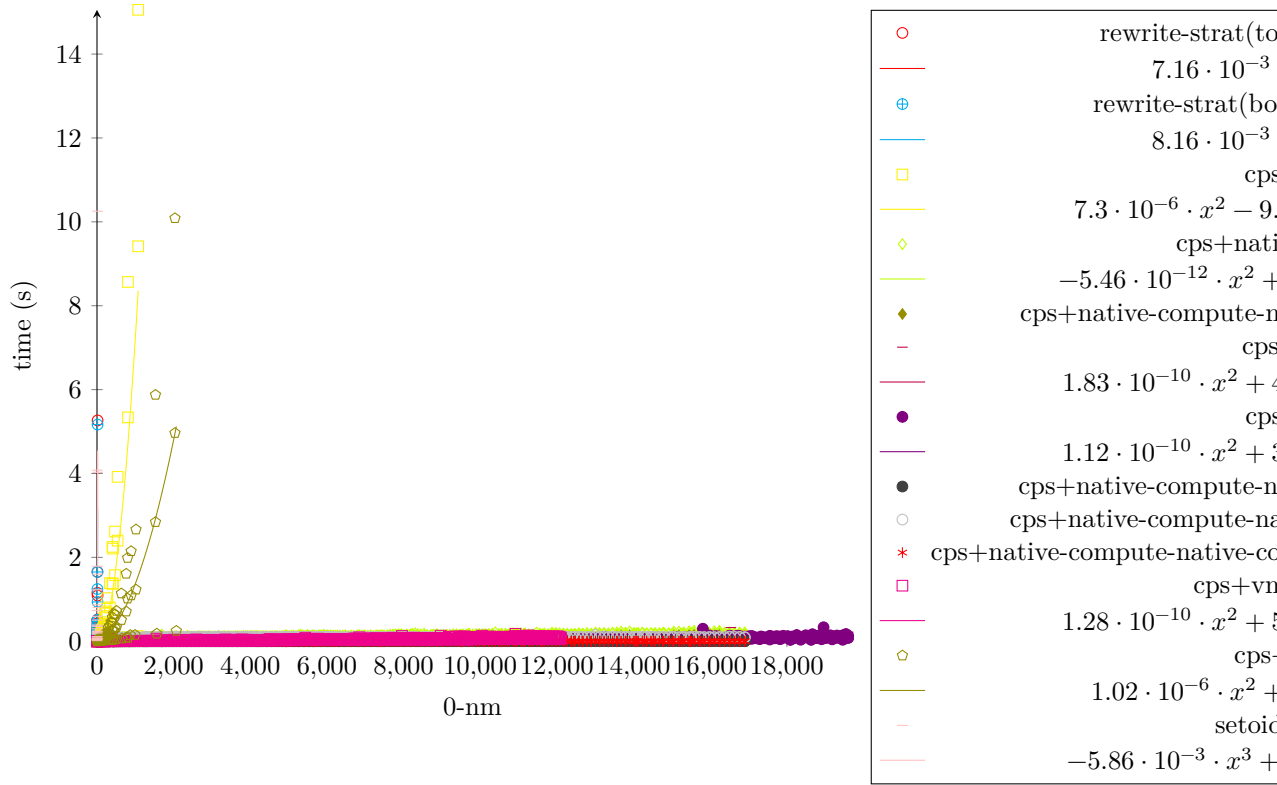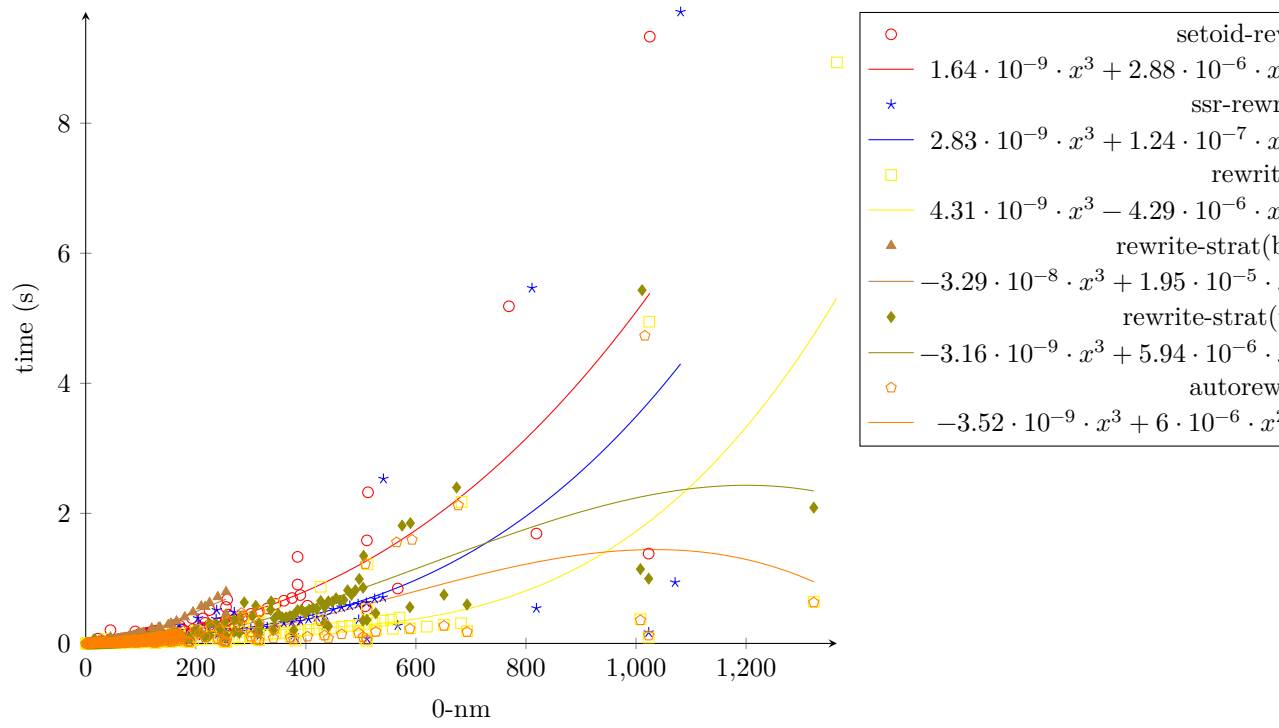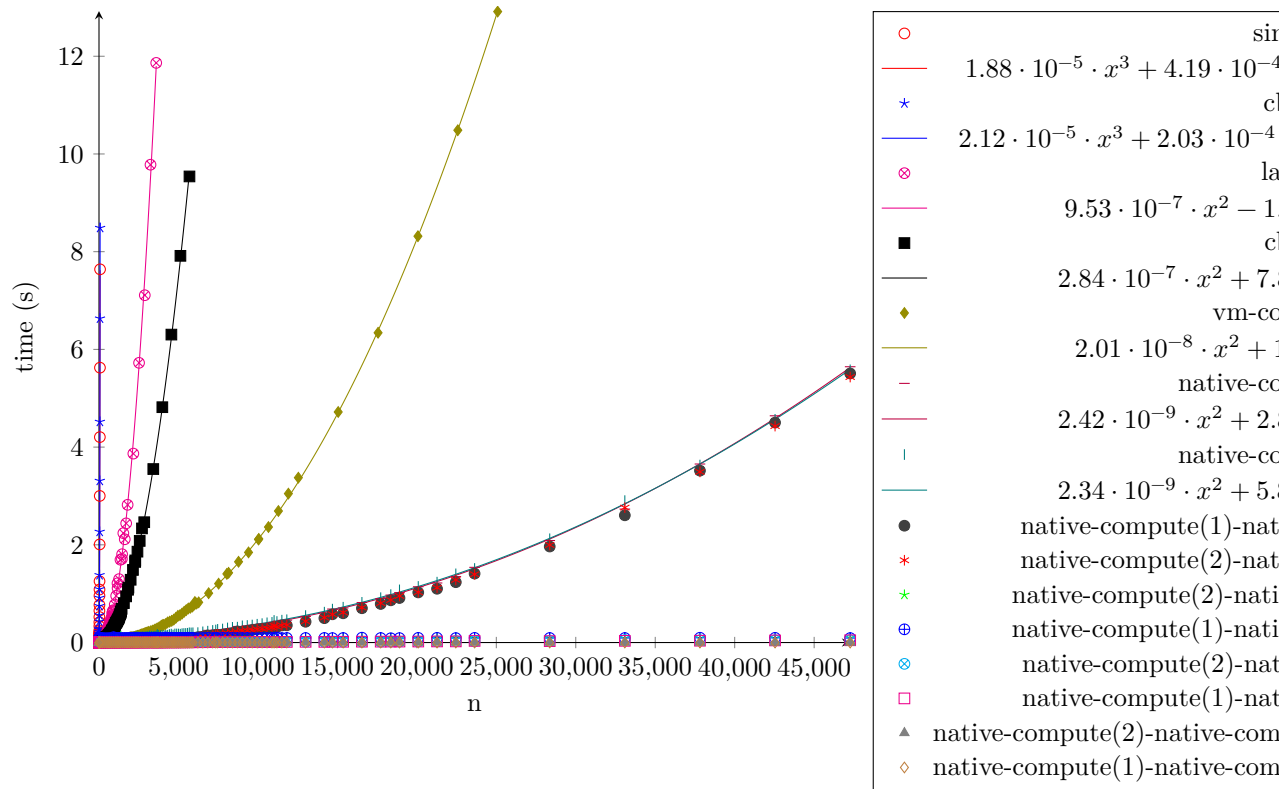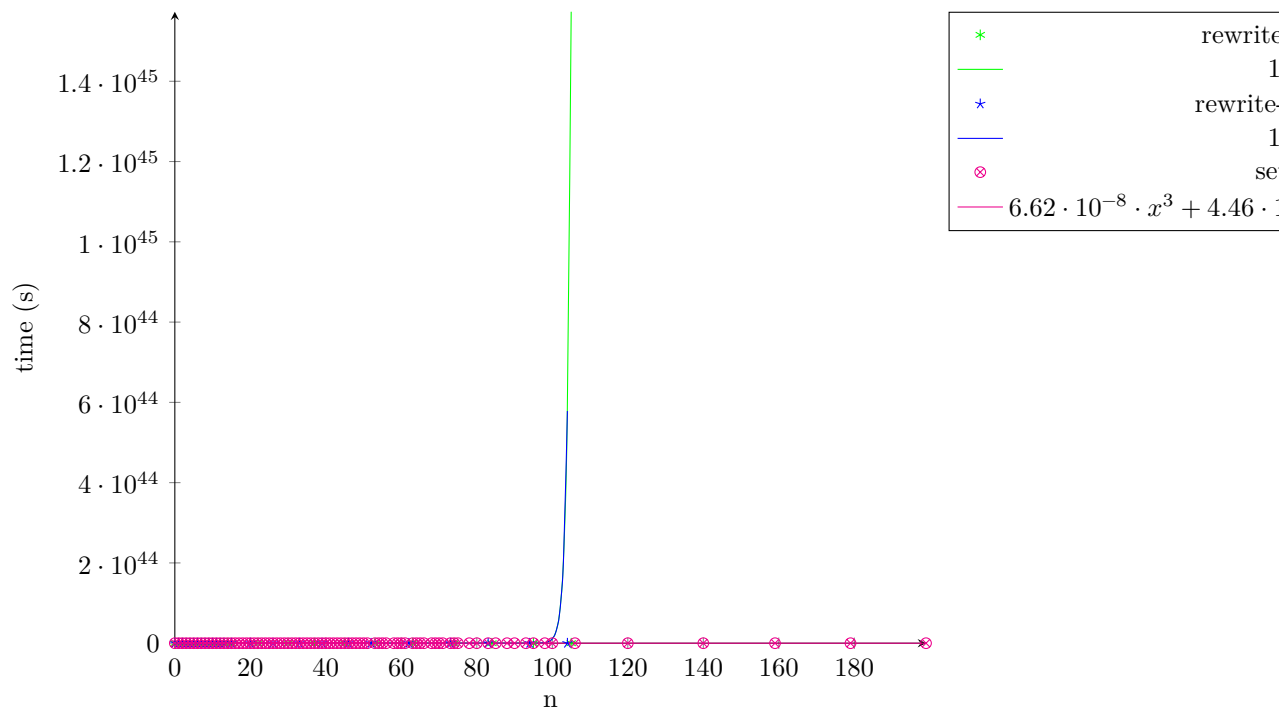- type-pf-cast-real
- $3.82 \cdot 10^{-7} \cdot x^2 - 3.11 \cdot 10^{-4} \cdot x$
- refine-real
- $3.84 \cdot 10^{-7} \cdot x^2 - 3.44 \cdot 10^{-4} \cdot x$
- $4.54 \cdot 10^{-4} \cdot x - 5.63$
- type-admit-cast-re
- $3.79 \cdot 10^{-7} \cdot x^2 - 3.15 \cdot 10^{-4} \cdot x$
- check-admit-real
- $3.66 \cdot 10^{-7} \cdot x^2 - 3.04 \cdot 10^{-4} \cdot x$
- close-abstract-rea
- $2.7 \cdot 10^{-7} \cdot x^2 + 2.03 \cdot 10^{-5} \cdot x$
- check-pf-cast-rea
- $3.33 \cdot 10^{-7} \cdot x^2 - 2.4 \cdot 10^{-4} \cdot x$
- check-admit-cast-re
- $3.35 \cdot 10^{-7} \cdot x^2 - 2.49 \cdot 10^{-4} \cdot x$
- type-admit-real
- $3.21 \cdot 10^{-7} \cdot x^2 - 2.4 \cdot 10^{-4} \cdot x$
- build-eval-thunk-re
- $9.92 \cdot 10^{-5} \cdot x - 2.88$
- build-thunk-real
- $9.85 \cdot 10^{-5} \cdot x - 1.37$
- type-I-real
- $1.97 \cdot 10^{-5} \cdot x - 6.04$
- check-I-real
- $1.79 \cdot 10^{-5} \cdot x - 5.13$
- build-admit-real
- $6.92 \cdot 10^{-6} \cdot x - 3.66$
- build-admit-cast-re
- $6.99 \cdot 10^{-6} \cdot x - 3.85$
- build-I-real
- $7.46 \cdot 10^{-6} \cdot x - 4.59$
- build-pf-cast-real
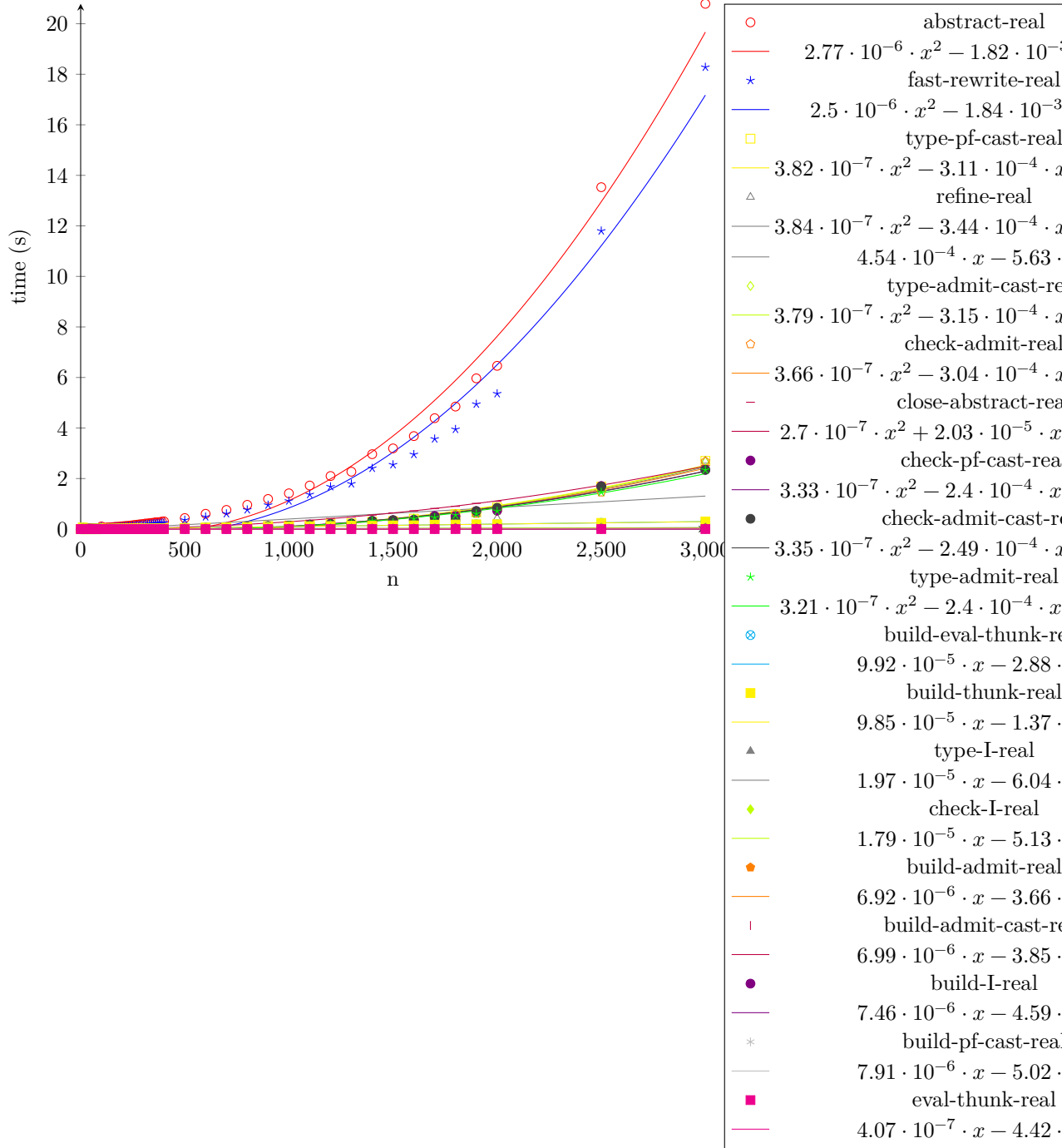- $7.91 \cdot 10^{-6} \cdot x - 5.02$
- eval-thunk-real
- $4.07 \cdot 10^{-7} \cdot x - 4.42$

Figure 19: timing-rewrite-repeated-app-fast-rewrite-ltac2