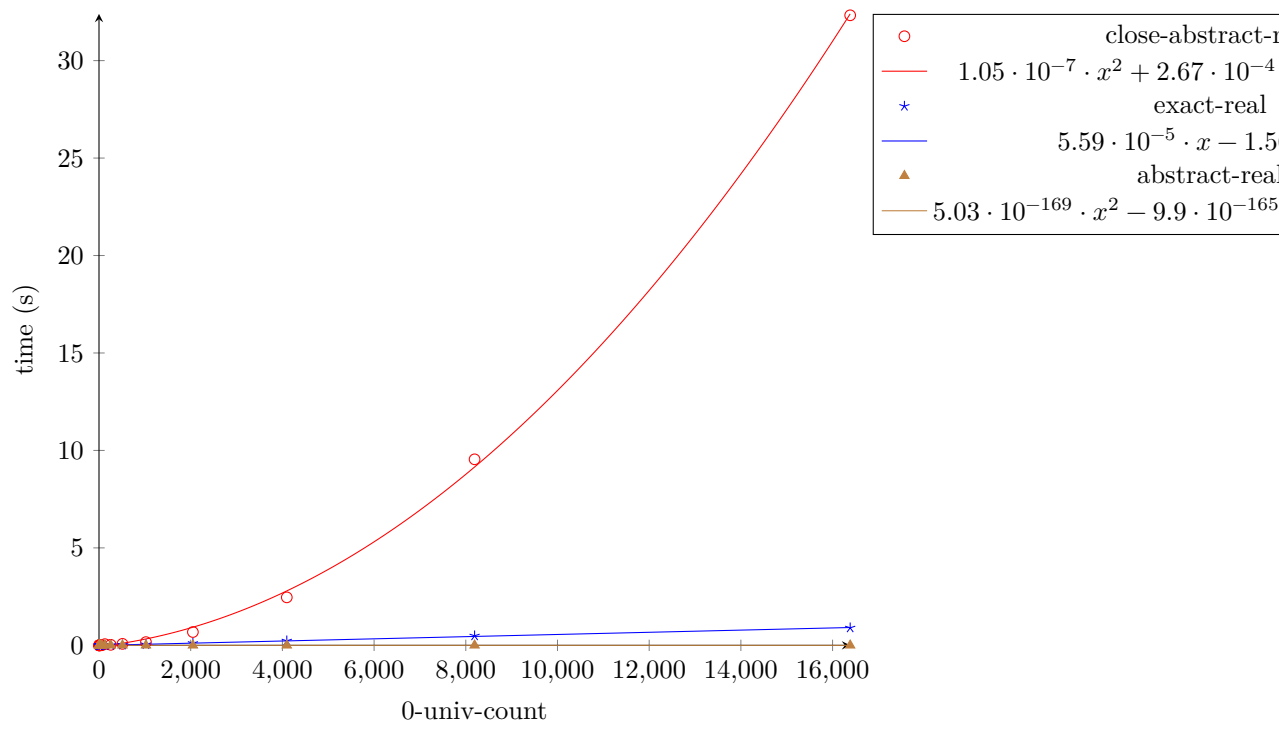Figure 1: timing-pattern

1

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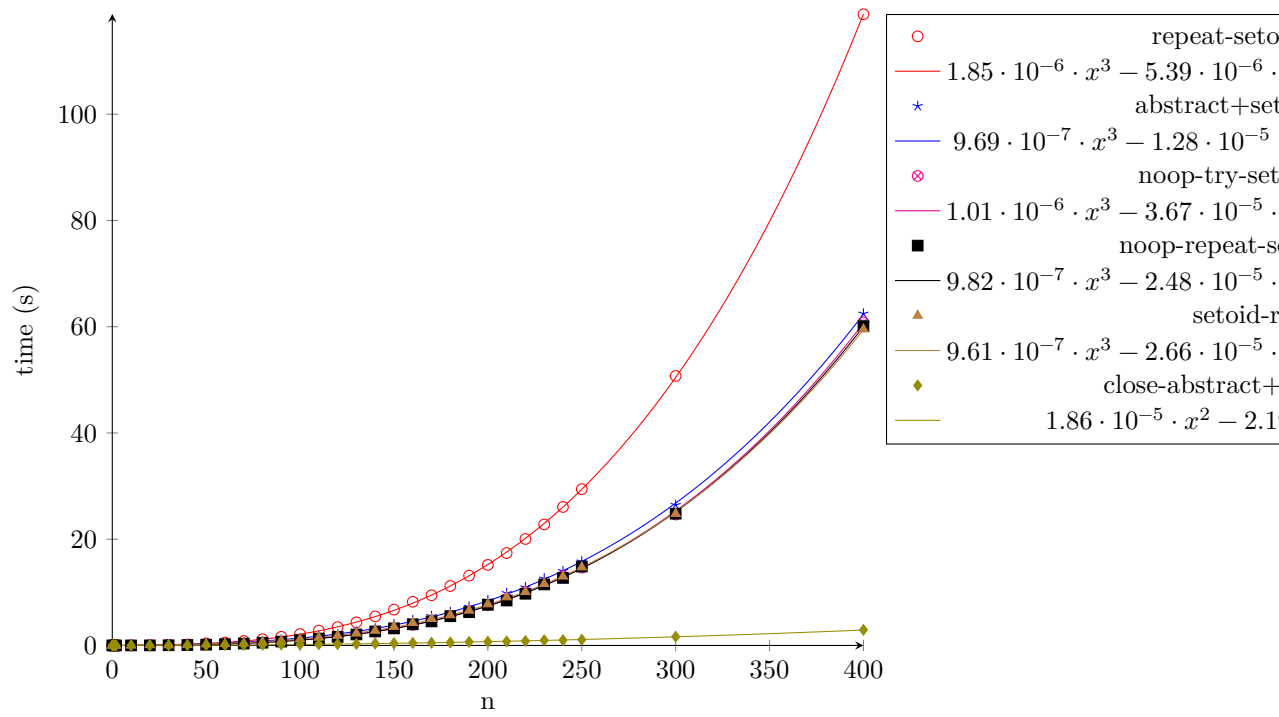
Figure 3: timing-repeat-setoid-rewrite-under-binders
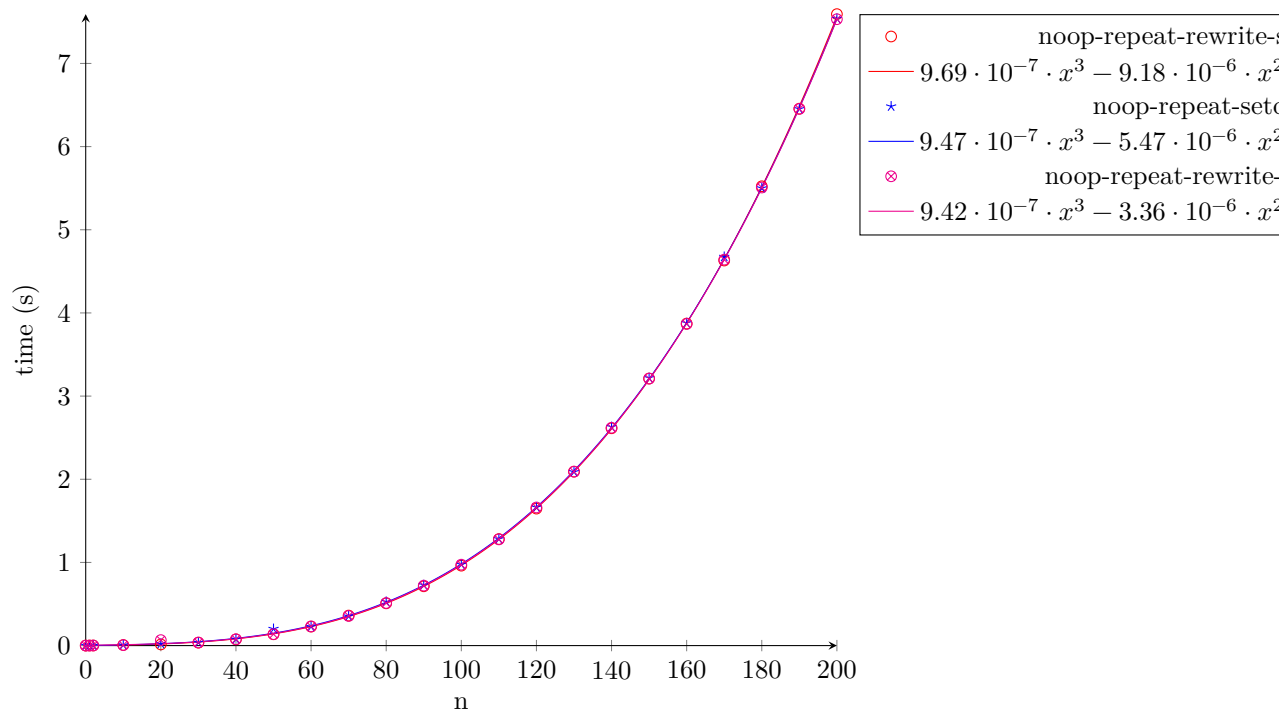
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Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

The legend entries read:

- ○ noop-repeat-rewrite-s...
- $9.69 \cdot 10^{-7} \cdot x^3 - 9.18 \cdot 10^{-6} \cdot x^2$
- ⋆ noop-repeat-seto...
- $9.47 \cdot 10^{-7} \cdot x^3 - 5.47 \cdot 10^{-6} \cdot x^2$
- ⊗ noop-repeat-rewrite-
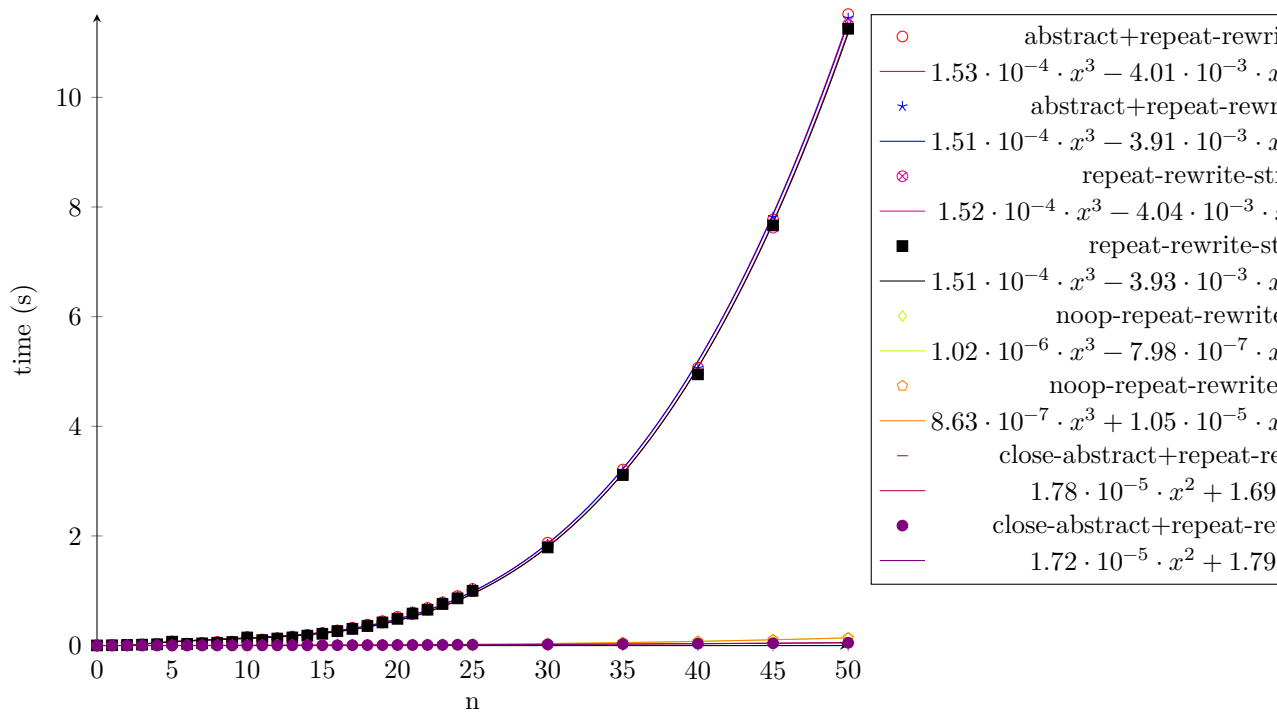- $9.42 \cdot 10^{-7} \cdot x^3 - 3.36 \cdot 10^{-6} \cdot x^2$

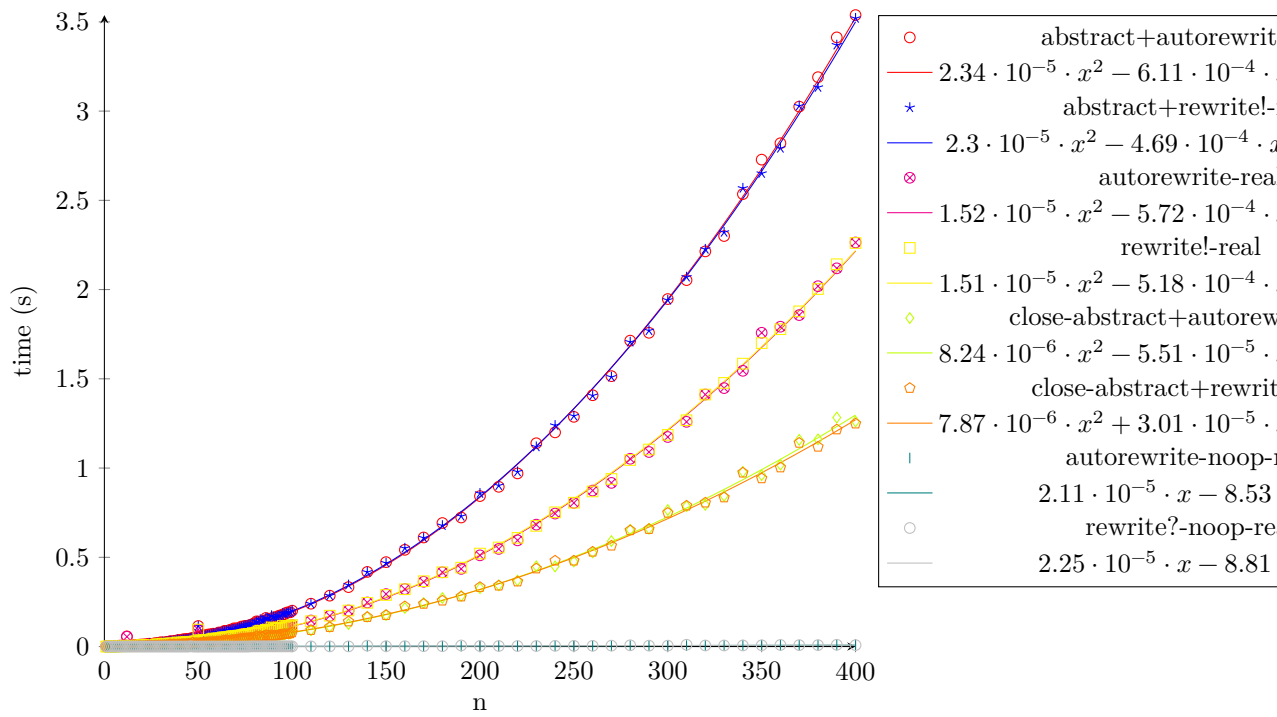Figure 5: timing-rewrite-strat-under-binders

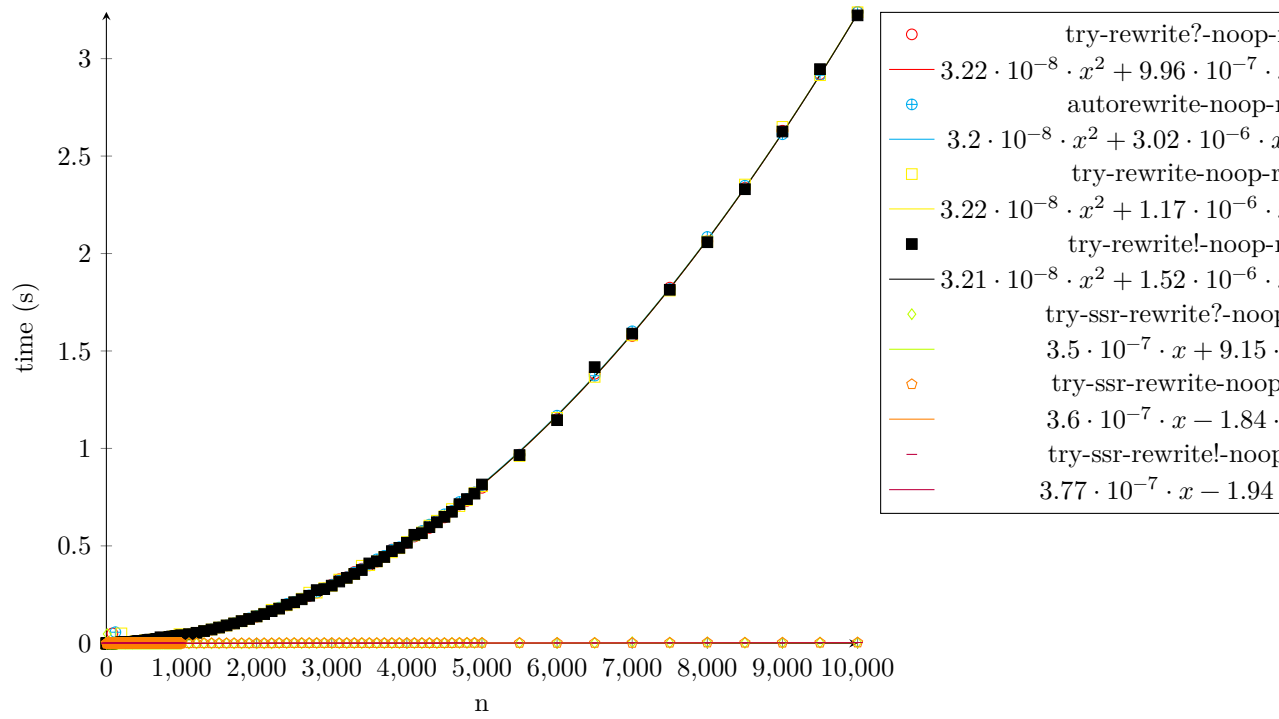Figure 6: timing-rewrite-repeated-app-autorewrite

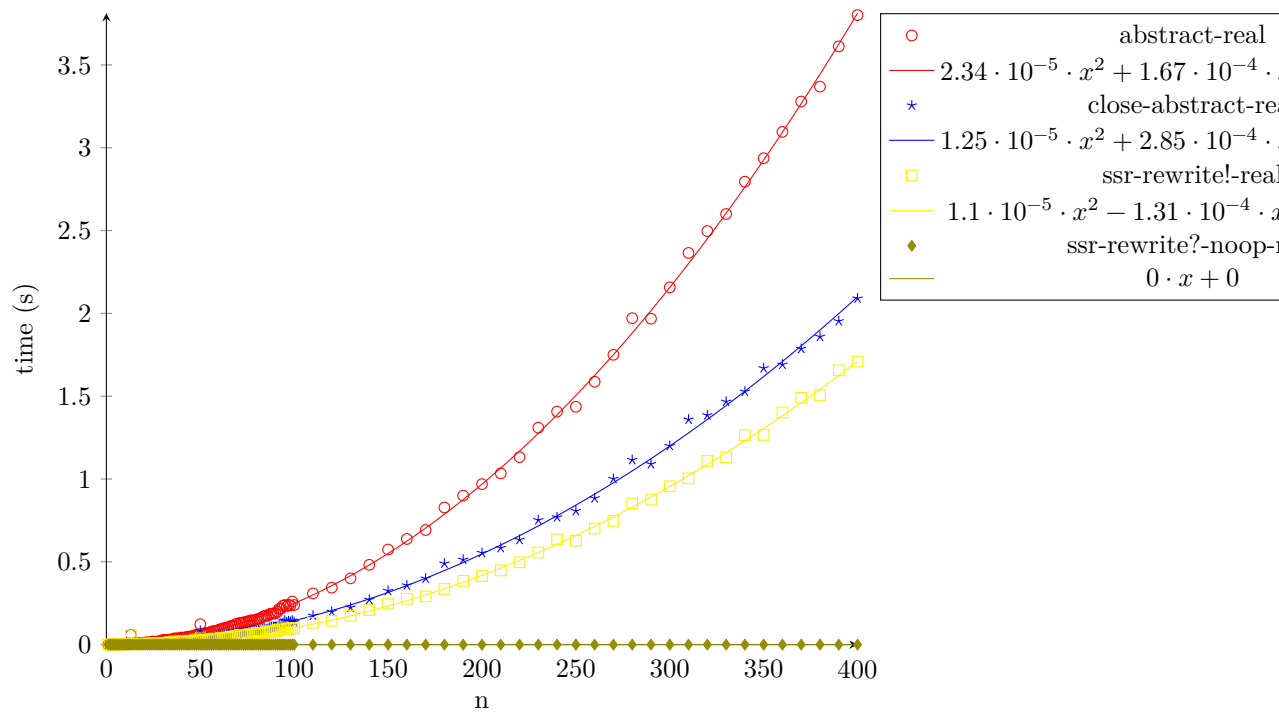Figure 7: timing-rewrite-repeated-app-autorewrite-noop

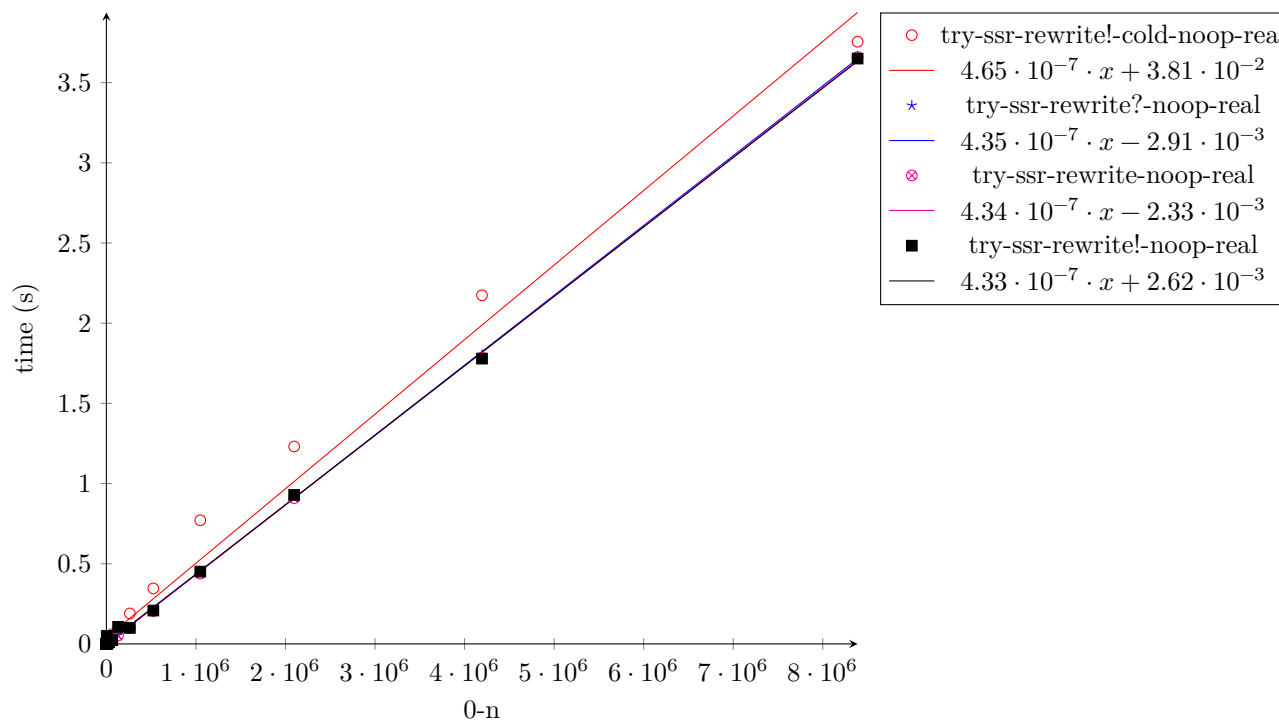Figure 8: timing-rewrite-repeated-app-ssrrewrite

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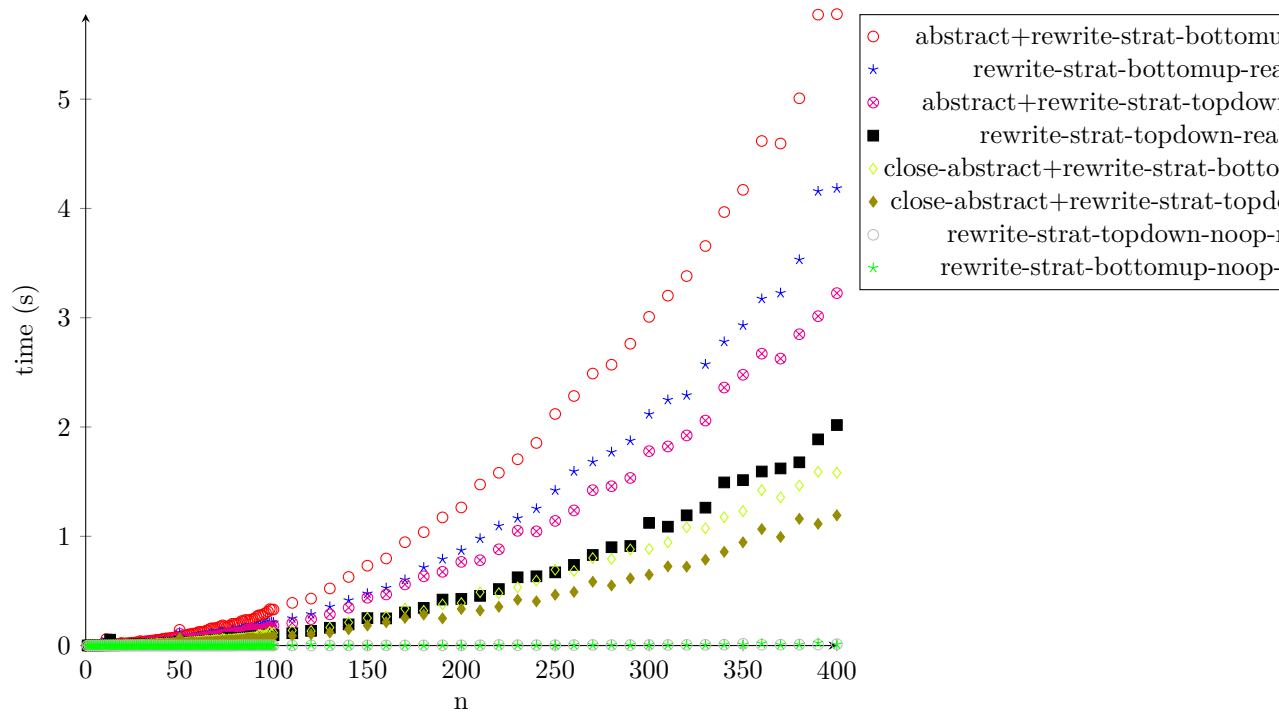Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn 1

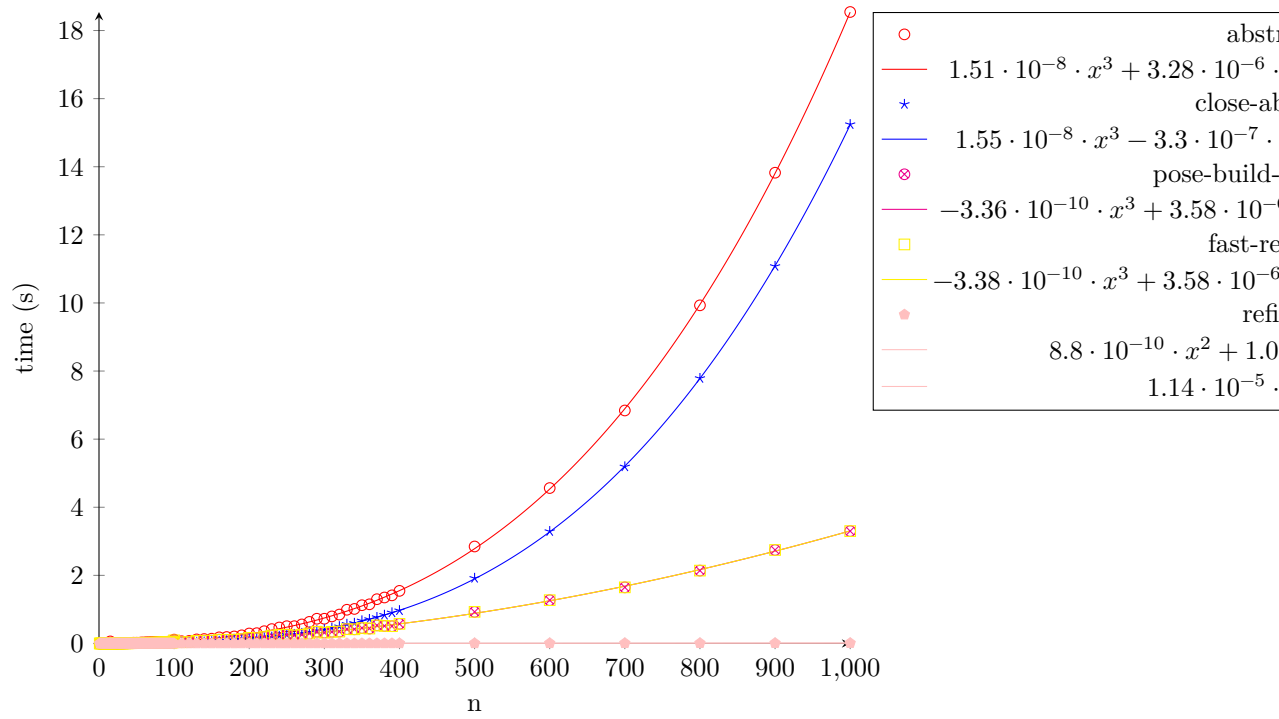Figure 10: timing-rewrite-repeated-app-rewrite-strat

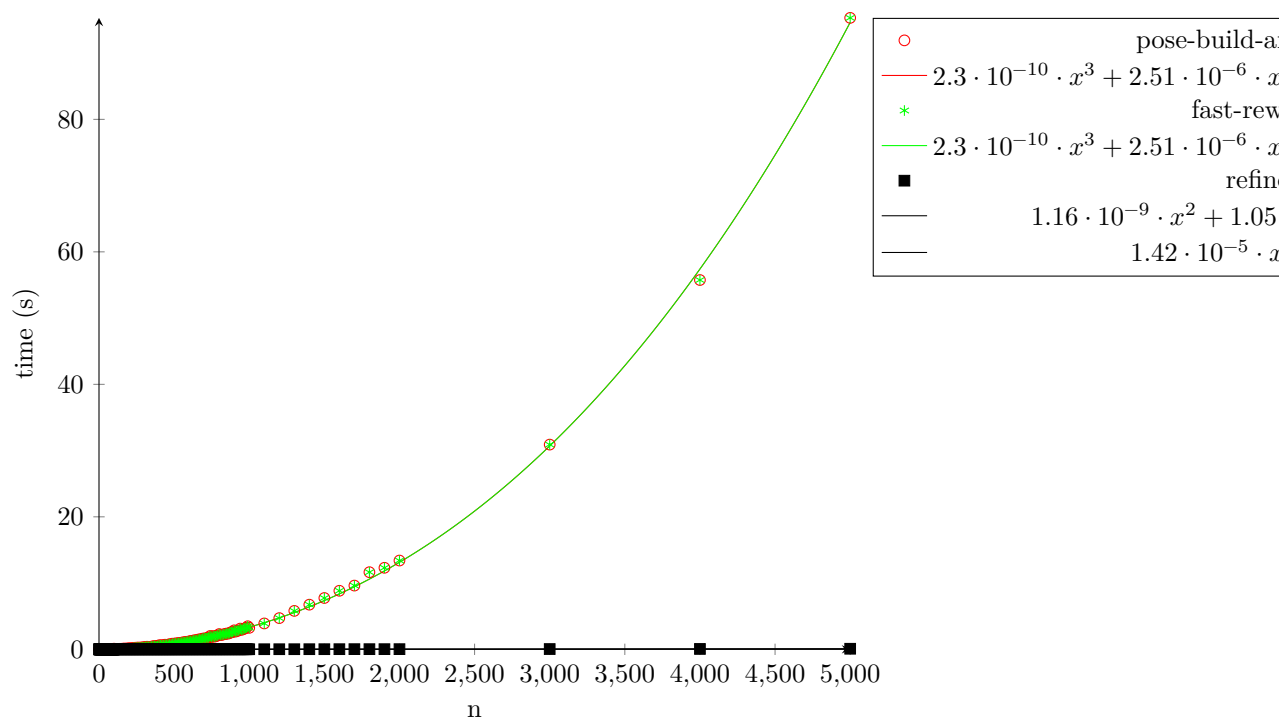Figure 11: timing-rewrite-repeated-app-fast-rewrite

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The chart shows time (s) versus n with legend entries:

- pose-build-a... (red circle)
- $2.3 \cdot 10^{-10} \cdot x^3 + 2.51 \cdot 10^{-6} \cdot x$ ...
- fast-rew... (green asterisk)
- $2.3 \cdot 10^{-10} \cdot x^3 + 2.51 \cdot 10^{-6} \cdot x$ ...
- refine... (black square)
- $1.16 \cdot 10^{-9} \cdot x^2 + 1.05$ ...
- $1.42 \cdot 10^{-5} \cdot x$ ...

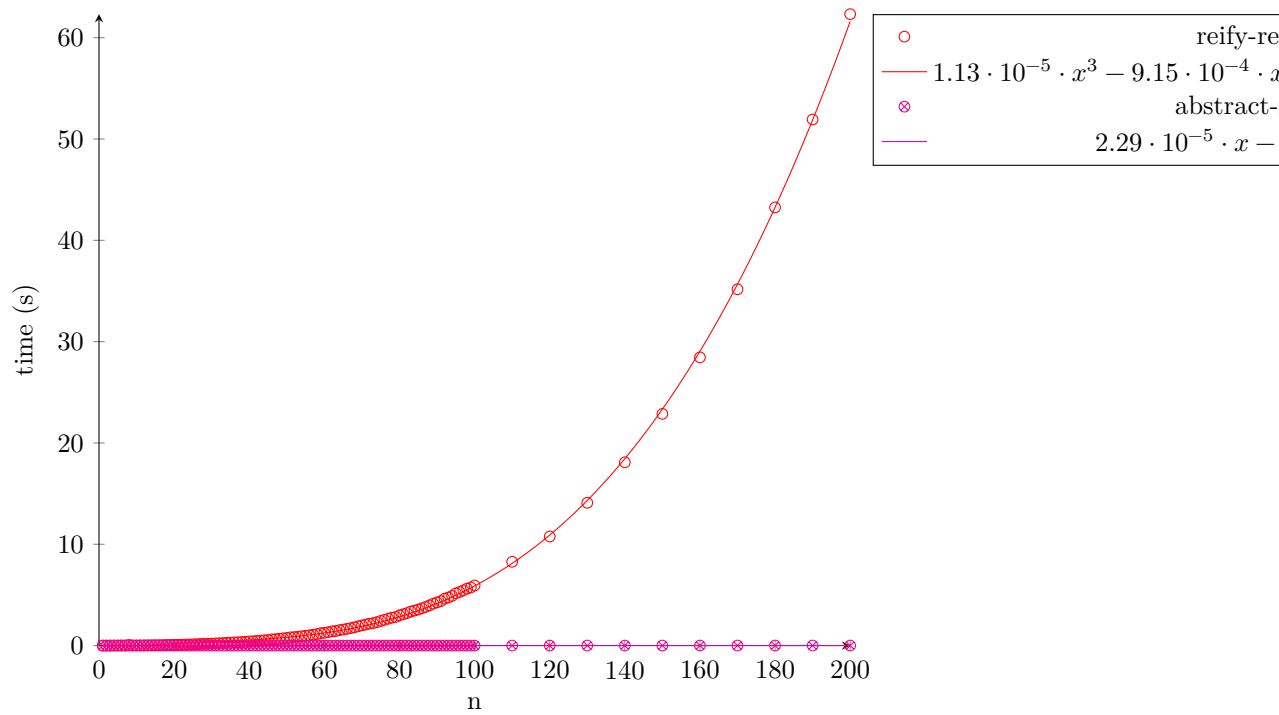Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract
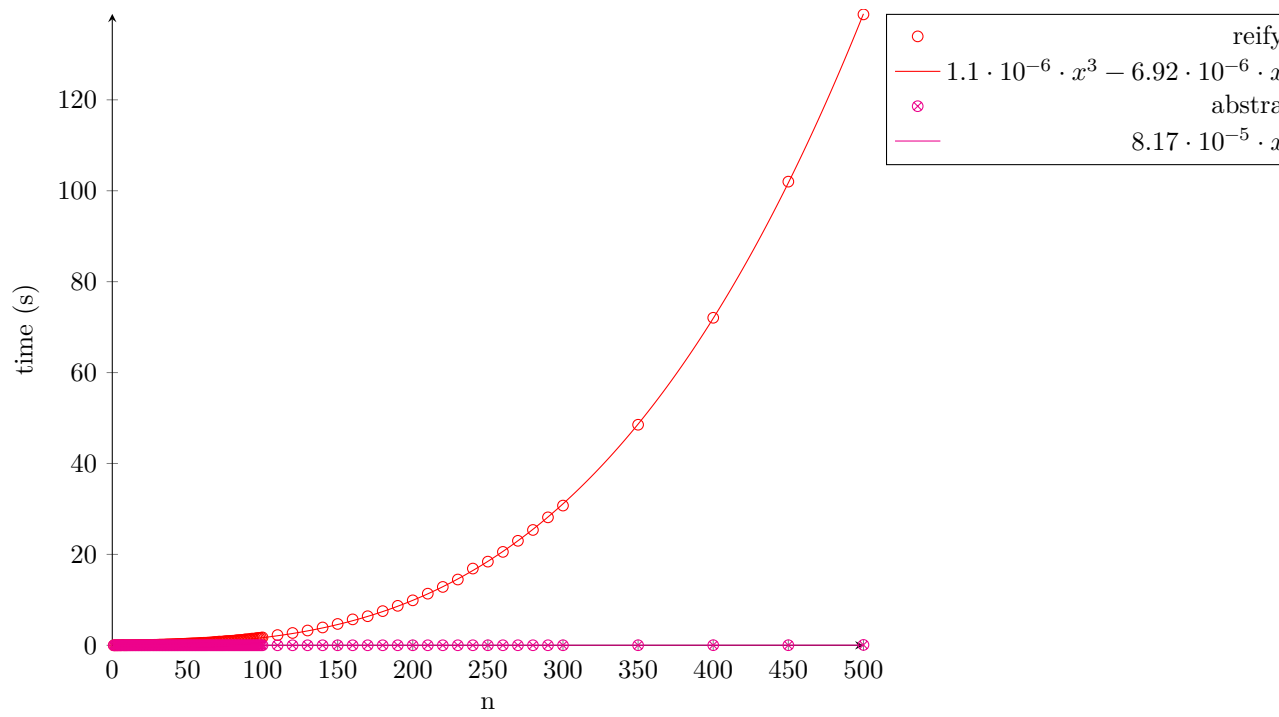
Figure 13: timing-typeclass-reification-let-in-HOAS

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