

Figure 1: timing-pattern

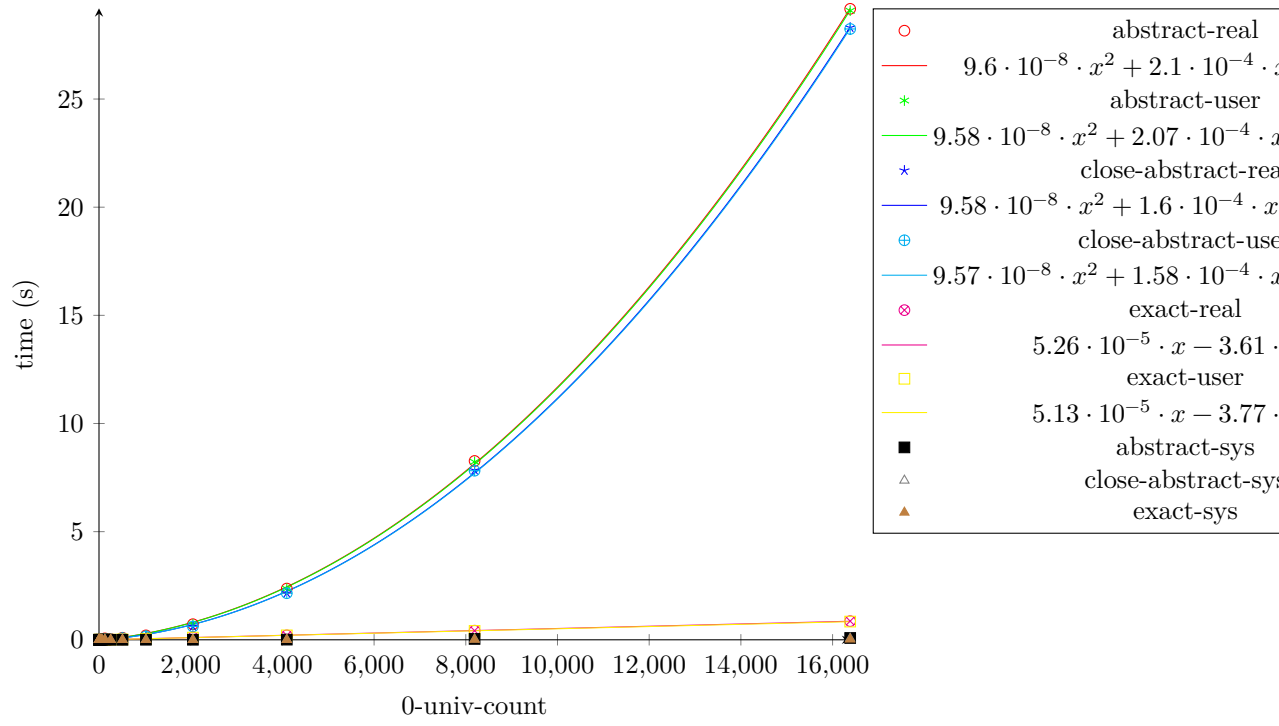


Figure 2: timing-n-polymorphic-universes param-1-n 0

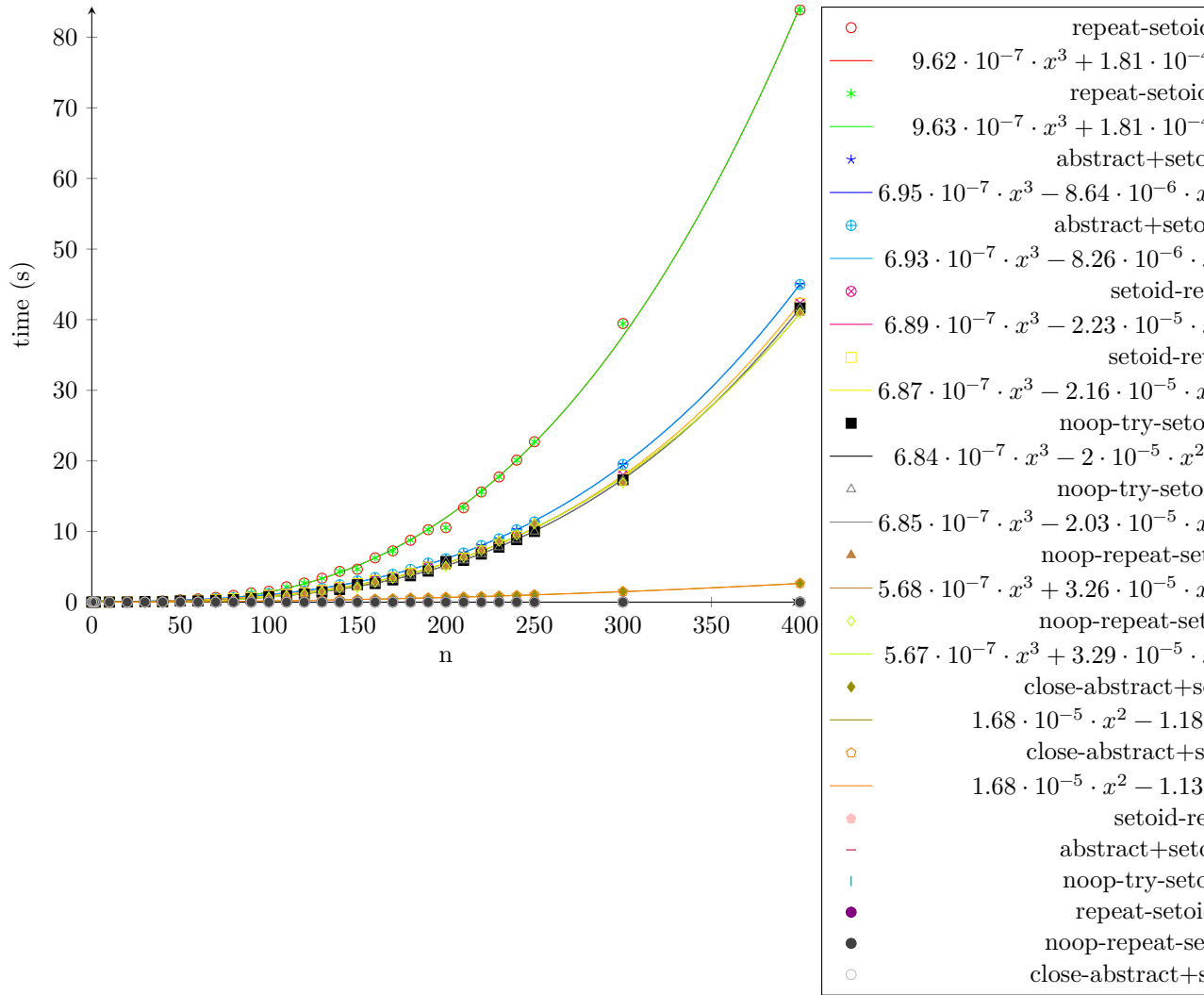


Figure 3: timing-repeat-setoid-rewrite-under-binders

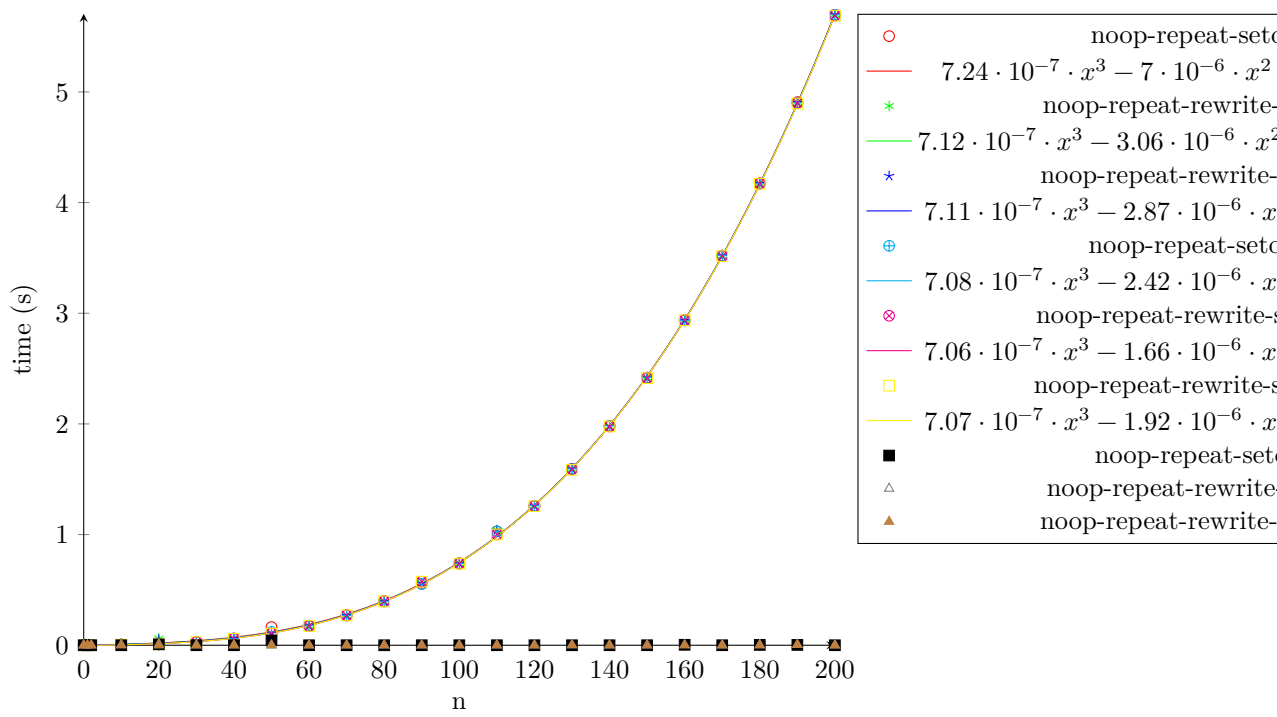


Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

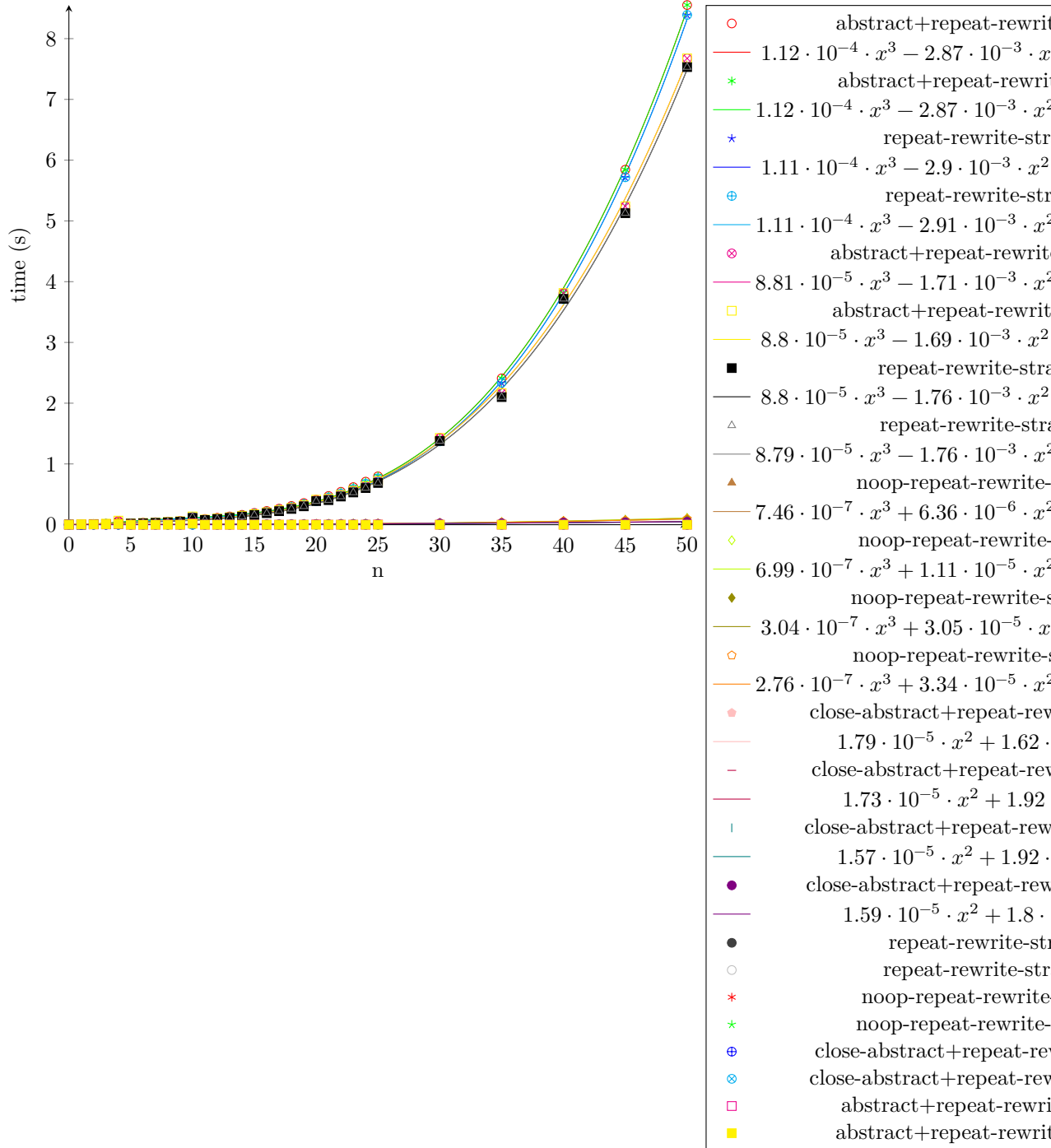


Figure 5: timing-rewrite-strat-under-binders

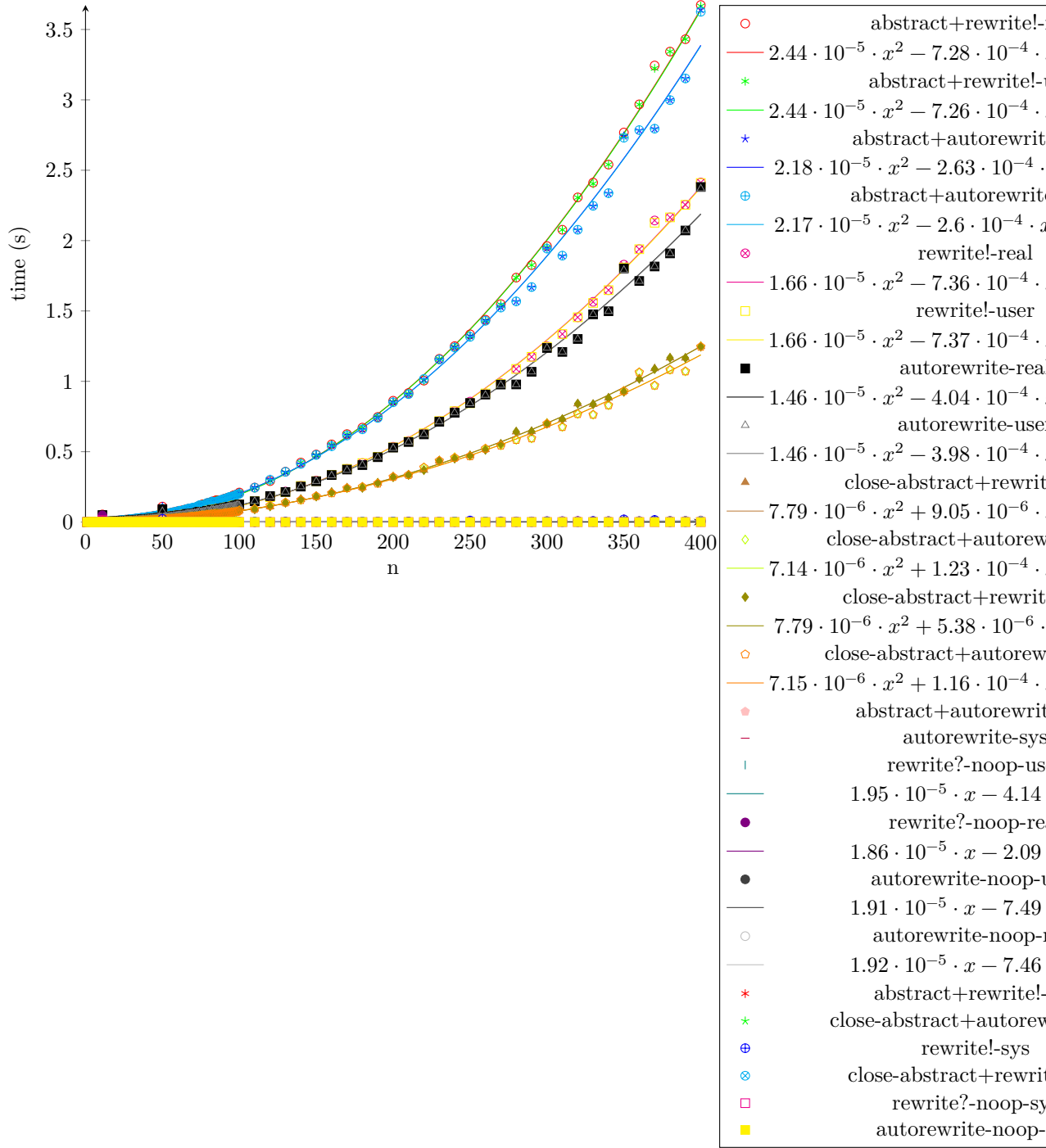


Figure 6: timing-rewrite-repeated-app-autorewrite



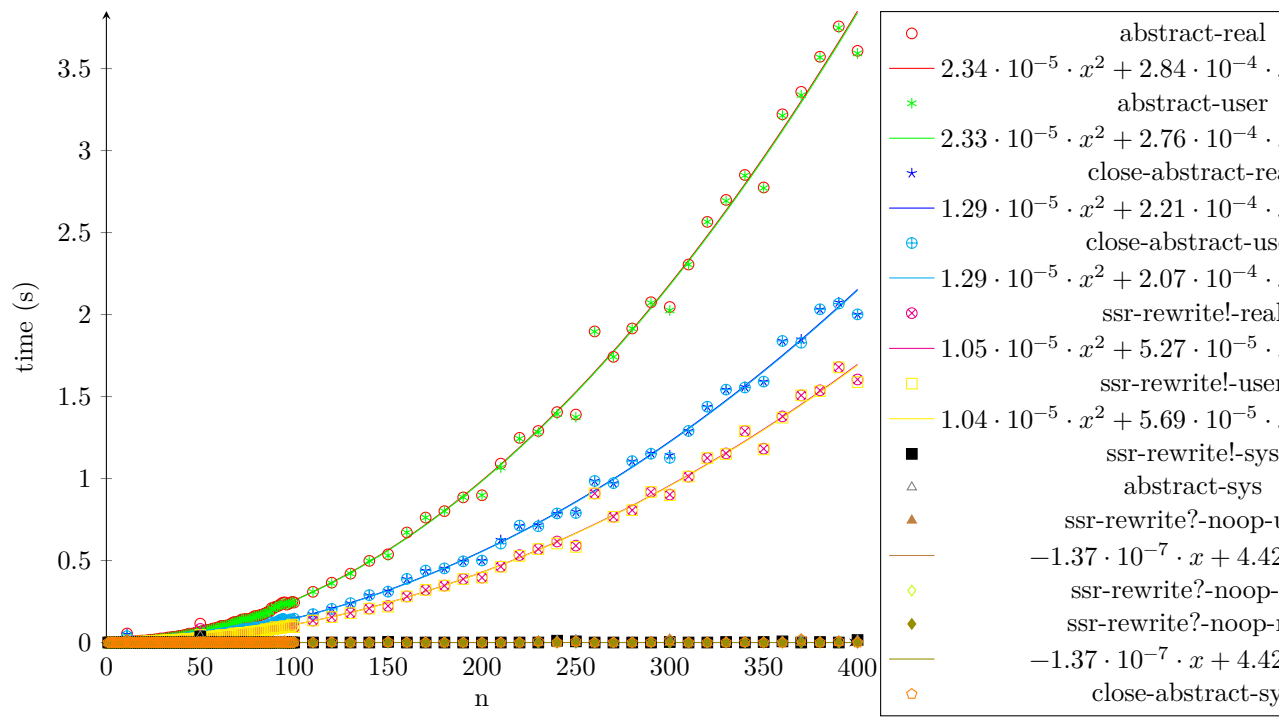


Figure 8: timing-rewrite-repeated-app-ssrrewrite



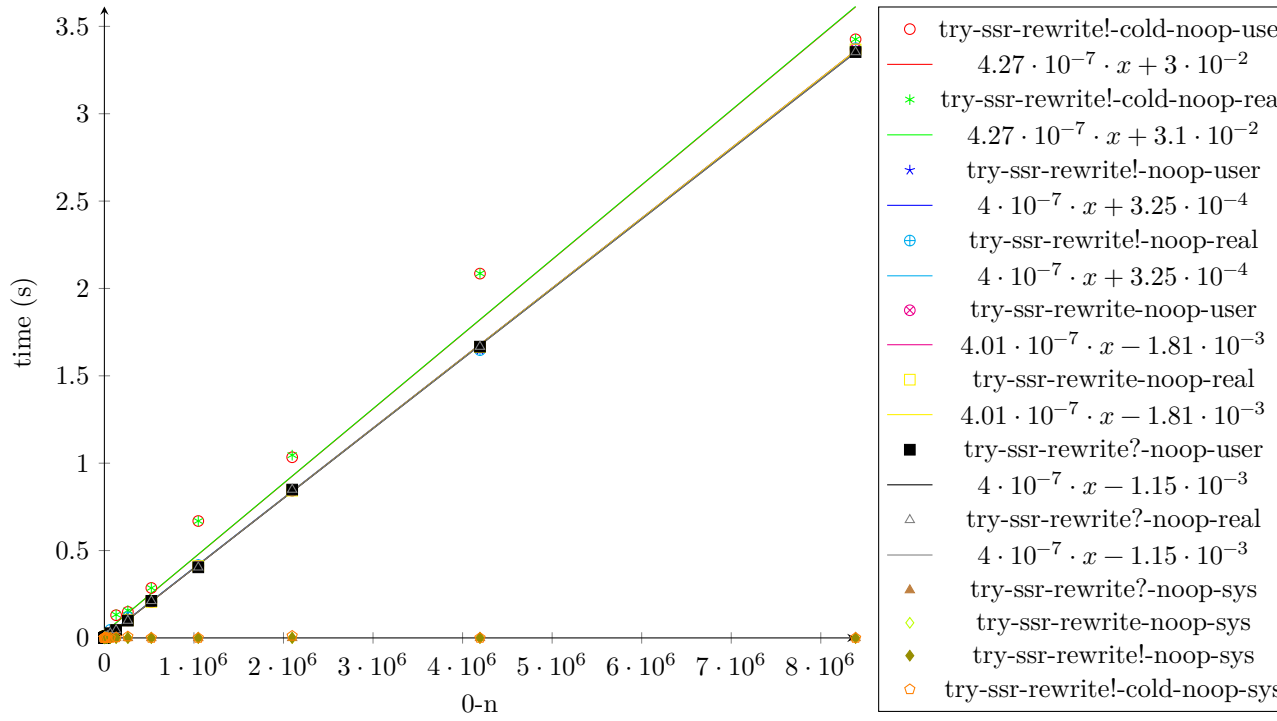


Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn 1

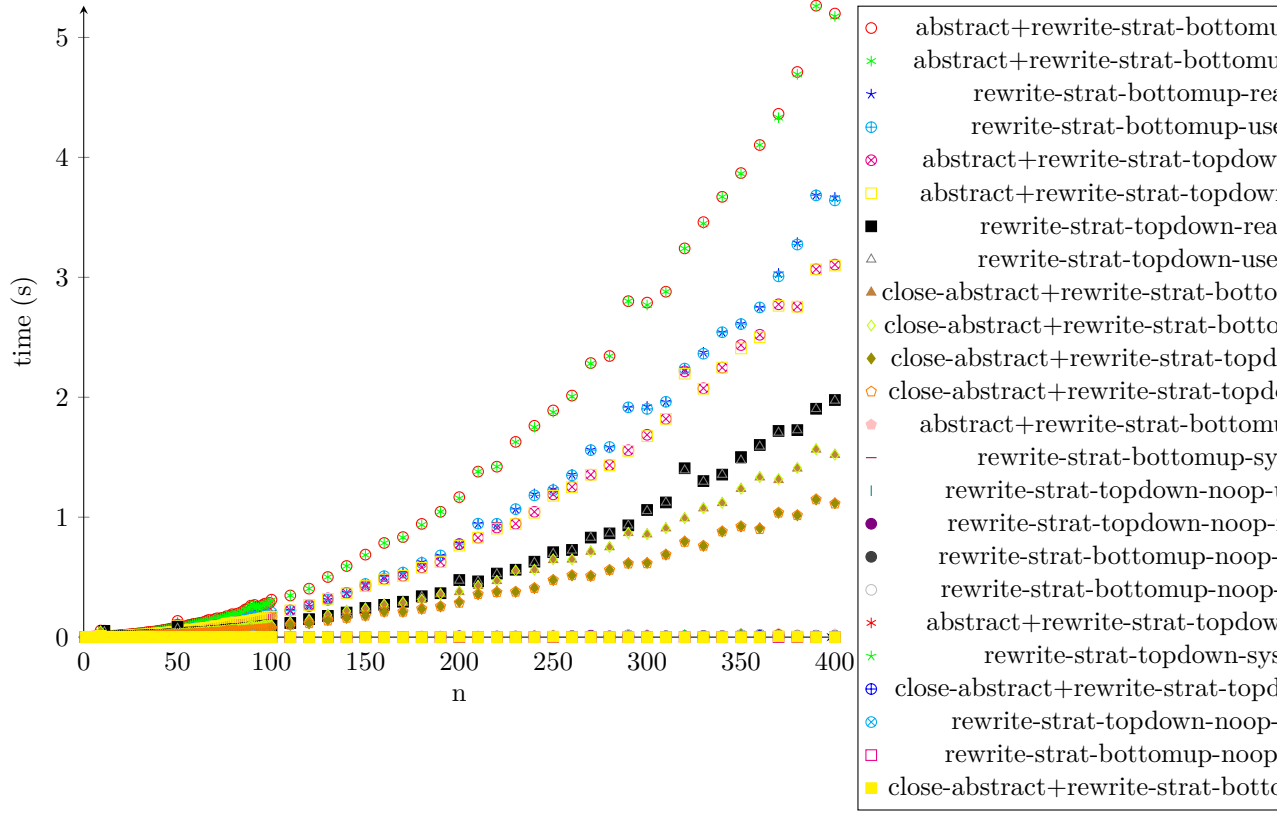


Figure 10: timing-rewrite-repeated-app-rewrite-strat

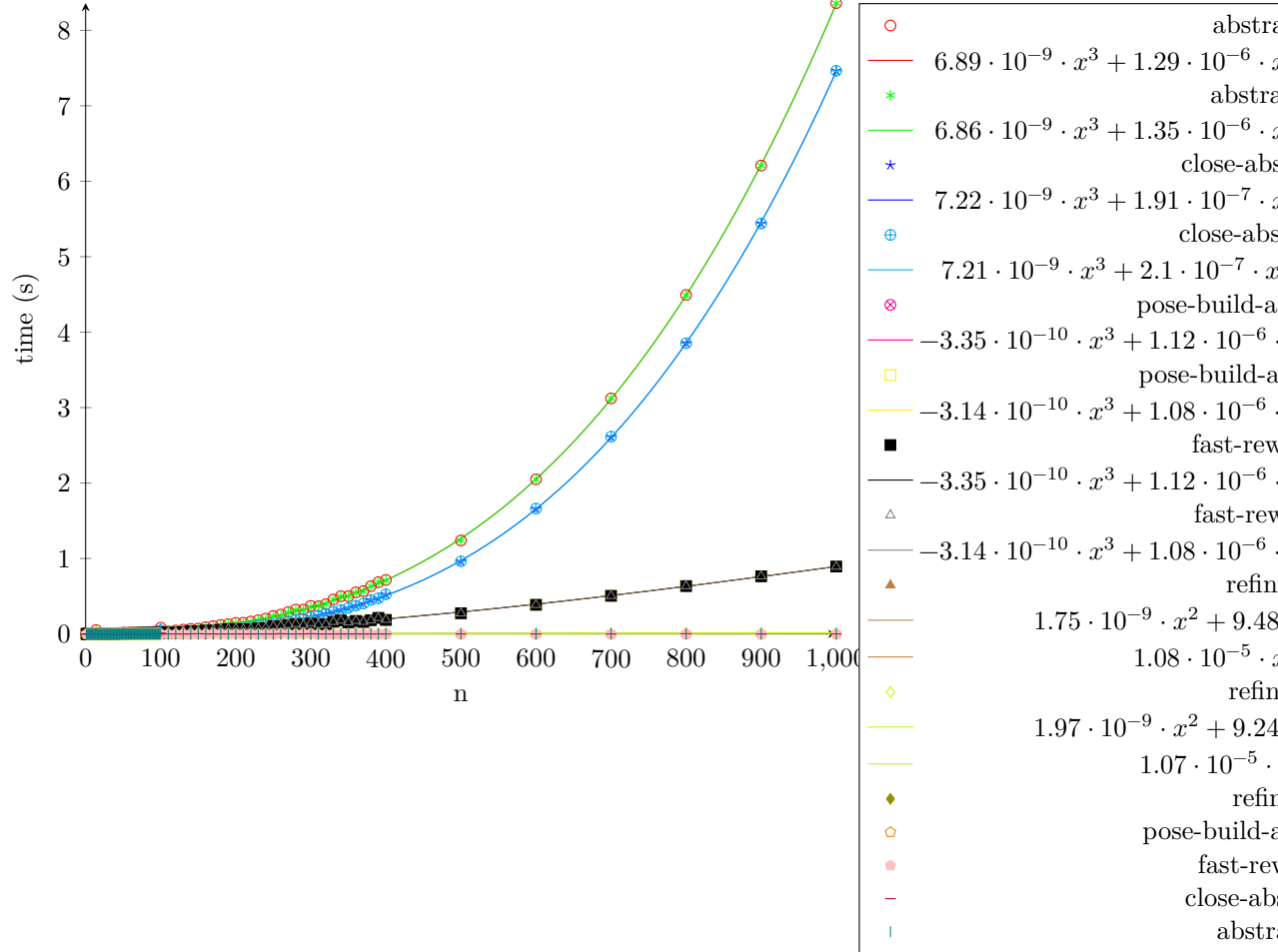


Figure 11: timing-rewrite-repeated-app-fast-rewrite

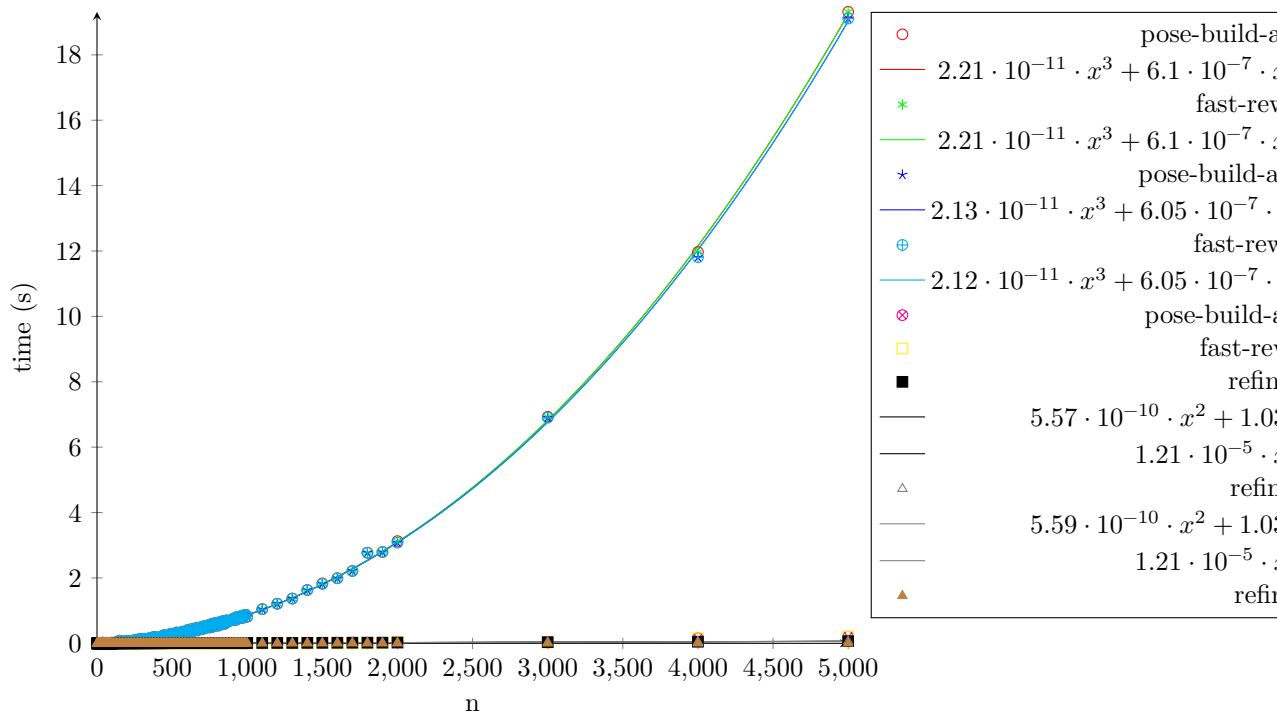
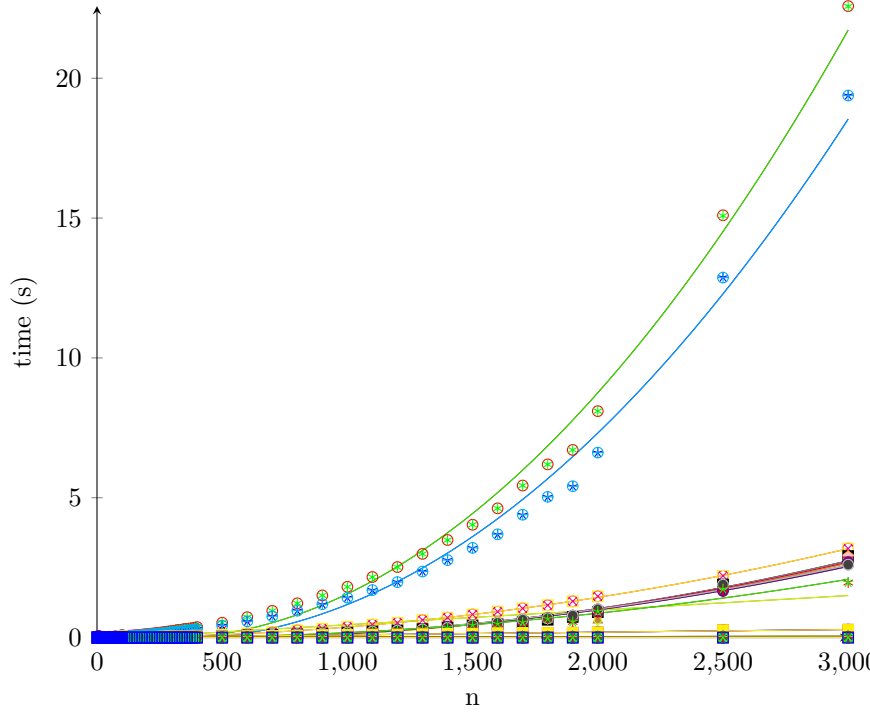


Figure 12: timing-rewrite-repeated-app-fast-rewrite-no-abstract



○	abstract-real
—	$2.89 \cdot 10^{-6} \cdot x^2 - 1.47 \cdot 10^{-3} \cdot x + 6.26 \cdot 10^{-4}$
*	abstract-user
—	$2.89 \cdot 10^{-6} \cdot x^2 - 1.47 \cdot 10^{-3} \cdot x + 6.26 \cdot 10^{-4}$
*	fast-rewrite-real
—	$2.55 \cdot 10^{-6} \cdot x^2 - 1.51 \cdot 10^{-3} \cdot x + 6.26 \cdot 10^{-4}$
⊕	fast-rewrite-user
—	$2.55 \cdot 10^{-6} \cdot x^2 - 1.51 \cdot 10^{-3} \cdot x + 6.26 \cdot 10^{-4}$
⊗	close-abstract-user
—	$3.41 \cdot 10^{-7} \cdot x^2 + 3.7 \cdot 10^{-5} \cdot x - 6.26 \cdot 10^{-4}$
□	close-abstract-real
—	$3.41 \cdot 10^{-7} \cdot x^2 + 3.73 \cdot 10^{-5} \cdot x - 6.26 \cdot 10^{-4}$
■	type-admit-cast-us
—	$4.02 \cdot 10^{-7} \cdot x^2 - 2.99 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
△	type-admit-cast-re
—	$4.02 \cdot 10^{-7} \cdot x^2 - 2.98 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
▲	refine-user
—	$3.95 \cdot 10^{-7} \cdot x^2 - 2.99 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
◇	refine-real
—	$3.95 \cdot 10^{-7} \cdot x^2 - 2.98 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
◆	type-pf-cast-user
—	$3.86 \cdot 10^{-7} \cdot x^2 - 2.78 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
◊	type-pf-cast-real
—	$3.86 \cdot 10^{-7} \cdot x^2 - 2.78 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
●	check-admit-cast-re
—	$3.87 \cdot 10^{-7} \cdot x^2 - 2.67 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
—	check-admit-cast-u
—	$3.87 \cdot 10^{-7} \cdot x^2 - 2.67 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
⌋	check-pf-cast-user
—	$3.56 \cdot 10^{-7} \cdot x^2 - 2.26 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
●	check-pf-cast-real
—	$3.56 \cdot 10^{-7} \cdot x^2 - 2.26 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
●	type-admit-real
—	$3.58 \cdot 10^{-7} \cdot x^2 - 2.14 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
○	type-admit-user
—	$3.57 \cdot 10^{-7} \cdot x^2 - 2.13 \cdot 10^{-4} \cdot x - 6.26 \cdot 10^{-4}$
*	check-admit-user
—	$2.61 \cdot 10^{-7} \cdot x^2 - 9.09 \cdot 10^{-5} \cdot x - 6.26 \cdot 10^{-4}$
*	check-admit-real
—	$2.61 \cdot 10^{-7} \cdot x^2 - 9.11 \cdot 10^{-5} \cdot x - 6.26 \cdot 10^{-4}$
⊕	build-eval-thunk-us
—	$9.68 \cdot 10^{-5} \cdot x - 6.3 \cdot 10^{-5}$
⊗	build-eval-thunk-re
—	$9.67 \cdot 10^{-5} \cdot x - 5.32 \cdot 10^{-5}$
□	build-thunk-user
—	$9.6 \cdot 10^{-5} \cdot x - 7.29 \cdot 10^{-5}$
■	build-thunk-real
—	$9.6 \cdot 10^{-5} \cdot x - 6.48 \cdot 10^{-5}$
△	check-l-user
—	$9.6 \cdot 10^{-5} \cdot x - 6.48 \cdot 10^{-5}$