

Figure 1: timing-pattern

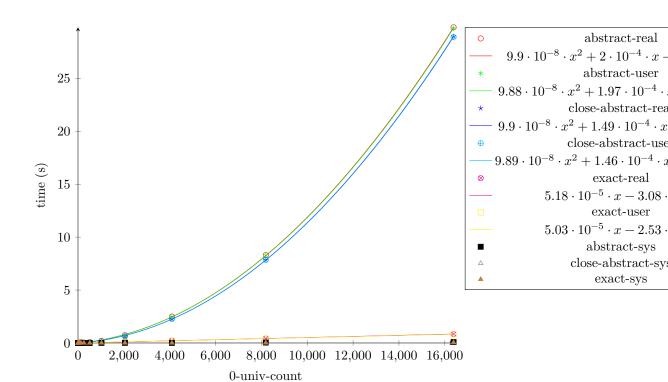


Figure 2: timing-n-polymorphic-universes param-1-n 0

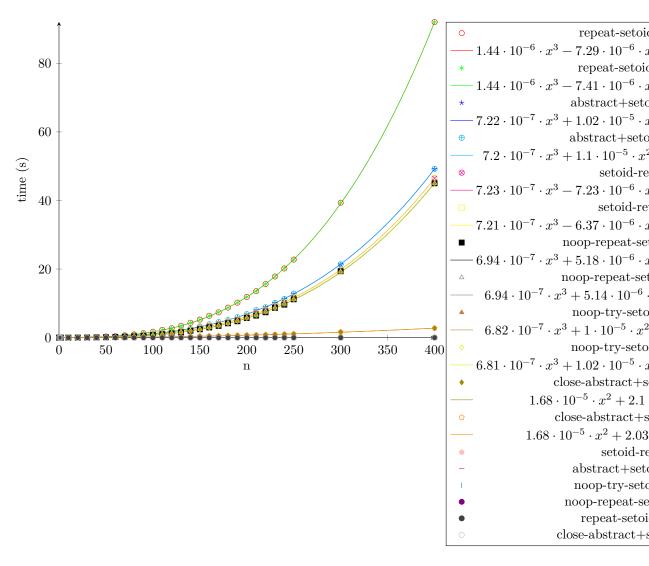


Figure 3: timing-repeat-setoid-rewrite-under-binders

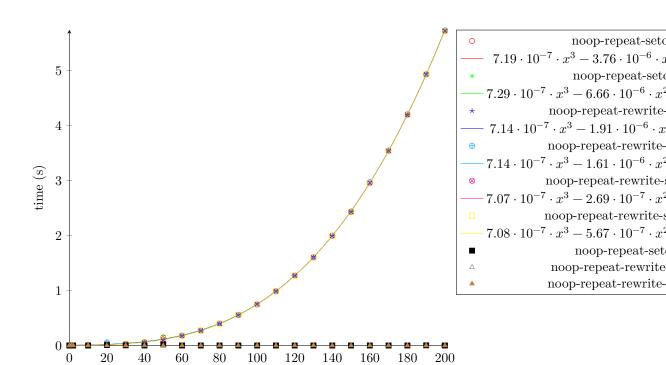


Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

n

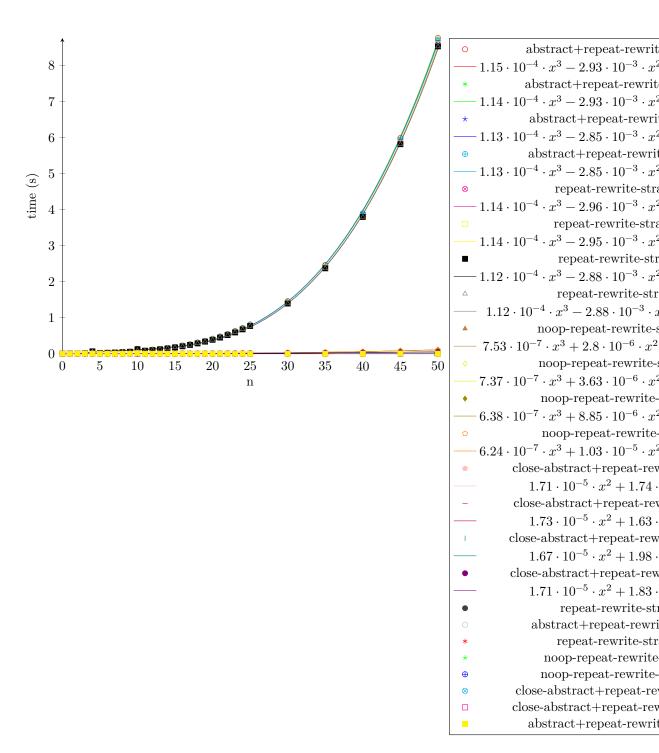


Figure 5: timing-rewrite-strat-under-binders

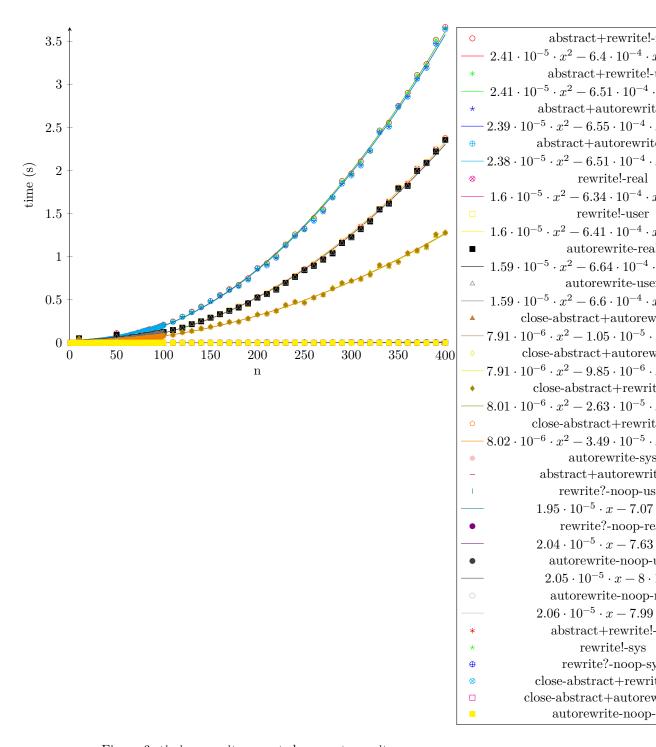


Figure 6: timing-rewrite-repeated-app-autorewrite

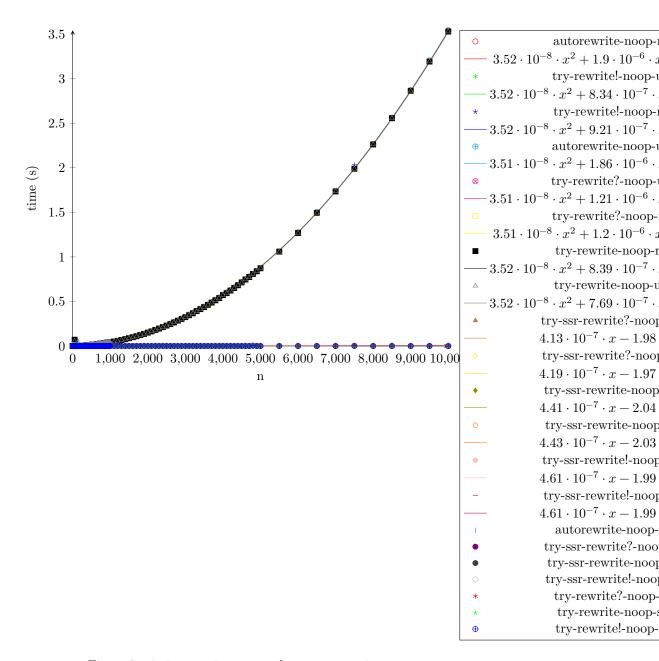


Figure 7: timing-rewrite-repeated-app-autorewrite-noop

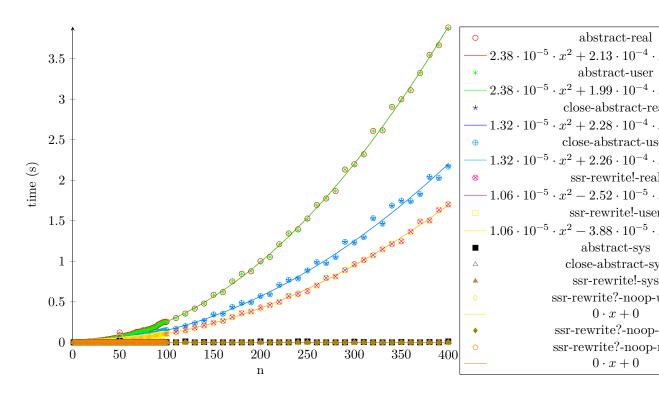


Figure 8: timing-rewrite-repeated-app-ssrrewrite

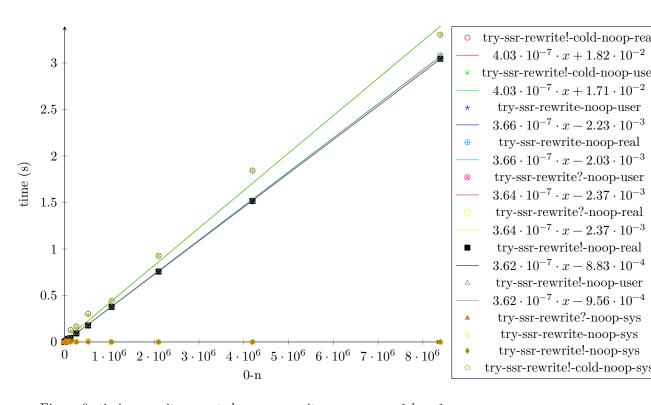


Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn $\ 1$

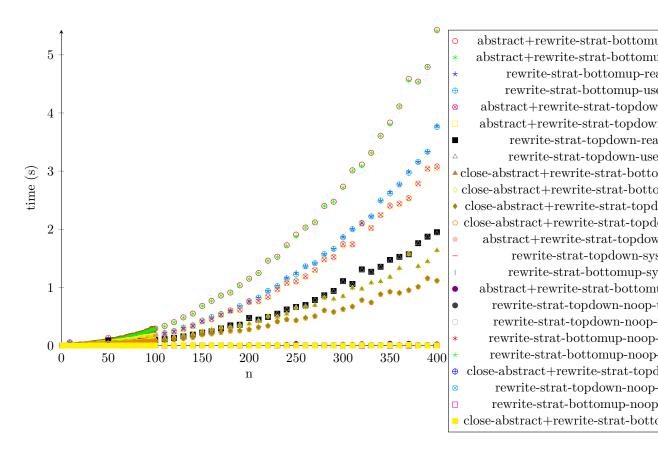


Figure 10: timing-rewrite-repeated-app-rewrite-strat

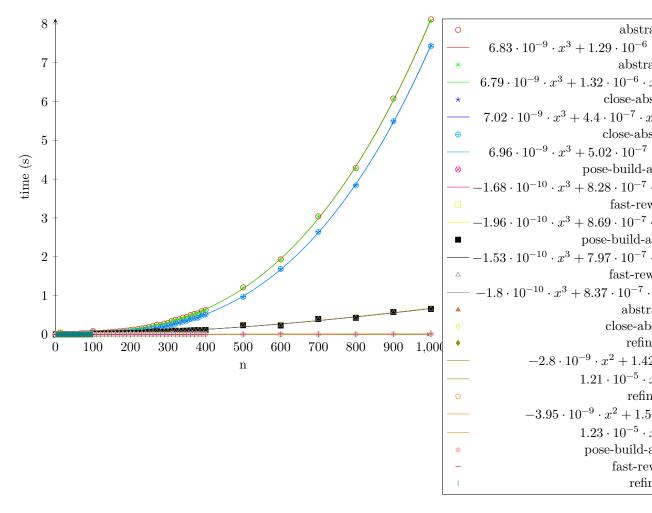
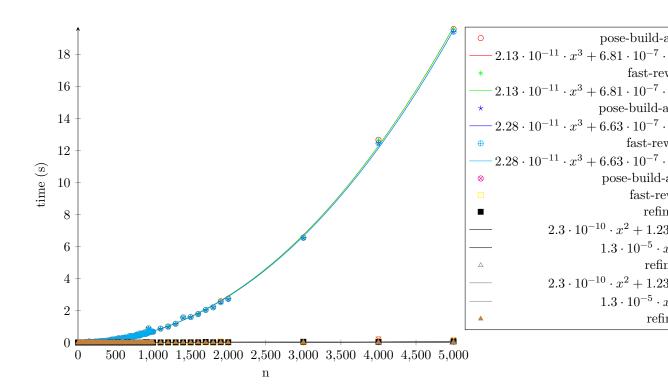
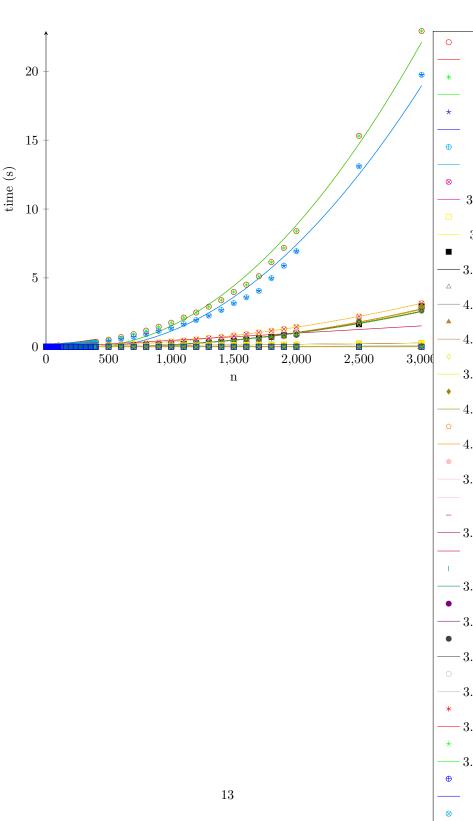


Figure 11: timing-rewrite-repeated-app-fast-rewrite



 $Figure~12:~timing\mbox{-rewrite-repeated-app-fast-rewrite-no-abstract}$



 $2.98 \cdot 10^{-6} \cdot x^2 - 1.62 \cdot 10^{-6}$ $2.98 \cdot 10^{-6} \cdot x^2 - 1.62 \cdot 10^{-6}$ $2.64 \cdot 10^{-6} \cdot x^2 - 1.66 \cdot 10^{-6}$ $2.64 \cdot 10^{-6} \cdot x^2 - 1.66 \cdot 10^{-6}$ $3.4 \cdot 10^{-7} \cdot x^2 + 3.37 \cdot 10^{-5} \cdot x$ $3.4 \cdot 10^{-7} \cdot x^2 + 3.4 \cdot 10^{-5} \cdot x$ $3.89 \cdot 10^{-7} \cdot x^2 - 2.72 \cdot 10^{-4} \cdot x^2$ $4.05 \cdot 10^{-7} \cdot x^2 - 3.06 \cdot 10^{-4} \cdot x^2$ $4.05 \cdot 10^{-7} \cdot x^2 - 3.06 \cdot 10^{-4} \cdot x^2$ $3.89 \cdot 10^{-7} \cdot x^2 - 2.72 \cdot 10^{-4} \cdot x^2 = 2.72 \cdot 10^{-4} \cdot x^2 + 2.72 \cdot 10^{-4} \cdot x^2$ $4.04 \cdot 10^{-7} \cdot x^2 - 2.98 \cdot 10^{-4} \cdot x^2 = 2.98 \cdot 10^{-4} \cdot x^2 + 2.98 \cdot 10^{-4} \cdot x^2$ $4.04 \cdot 10^{-7} \cdot x^2 - 2.98 \cdot 10^{-4} \cdot x^2$ $3.57 \cdot 10^{-7} \cdot x^2 - 2.15 \cdot 10^{-4} \cdot x^2$ $3.57 \cdot 10^{-7} \cdot x^2 - 2.15 \cdot 10^{-4} \cdot x^2$ $3.64 \cdot 10^{-7} \cdot x^2 - 2.46 \cdot 10^{-4} \cdot x^2$ $3.59 \cdot 10^{-7} \cdot x^2 - 2.29 \cdot 10^{-4} \cdot x^2$ $3.59 \cdot 10^{-7} \cdot x^2 - 2.29 \cdot 10^{-4} \cdot x^2$ $3.63 \cdot 10^{-7} \cdot x^2 - 2.45 \cdot 10^{-4} \cdot x^2$ $3.57 \cdot 10^{-7} \cdot x^2 - 2.28 \cdot 10^{-4} \cdot x^2$ $3.57 \cdot 10^{-7} \cdot x^2 - 2.27 \cdot 10^{-4} \cdot x^2$

abstract-real

abstract-user

fast-rewrite-real

fast-rewrite-user

close-abstract-use

close-abstract-rea

check-admit-real

type-admit-cast-re

type-admit-cast-us

check-admit-user

type-admit-user

type-admit-real

refine-real

 $5.27 \cdot 10^{-4} \cdot x - 6.23 \cdot$ refine-user

 $5.27 \cdot 10^{-4} \cdot x - 6.23$ check-pf-cast-rea

type-pf-cast-user

type-pf-cast-real

check-pf-cast-use

check-admit-cast-u

check-admit-cast-r

build-eval-thunk-u

 $8.92 \cdot 10^{-5} \cdot x - 6 \cdot 1$ build-eval-thunk-re $8.99 \cdot 10^{-5} \cdot x - 6.13 \cdot$ build-thunk-user $8.85 \cdot 10^{-5} \cdot x - 6.43 \cdot$ build-thunk-real $8.93 \cdot 10^{-5} \cdot x - 6.64$ ob ools I seaon