

Figure 1: timing-pattern

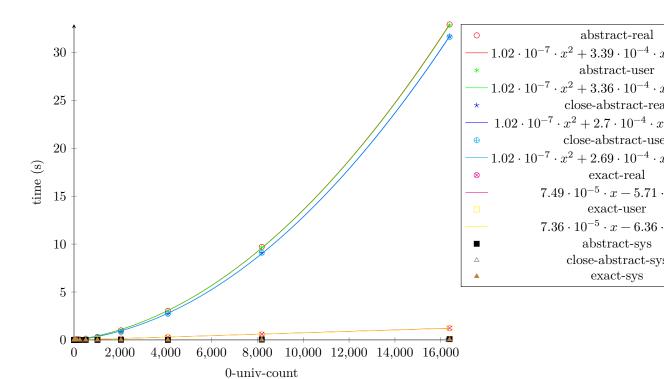


Figure 2: timing-n-polymorphic-universes param-1-n 0

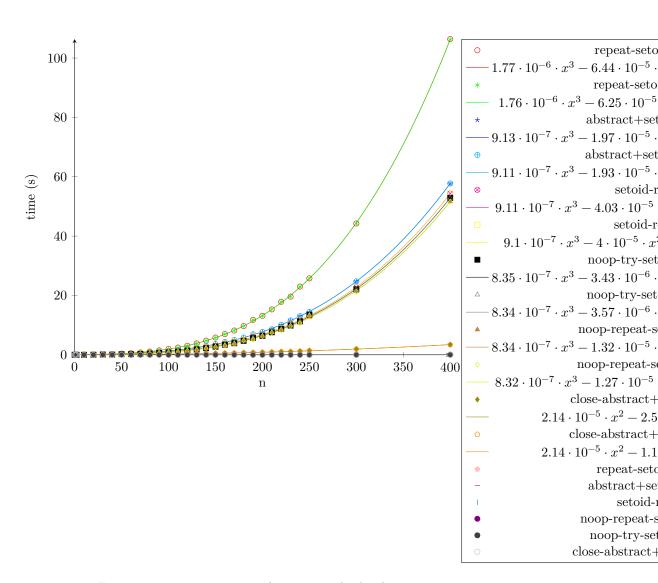


Figure 3: timing-repeat-setoid-rewrite-under-binders

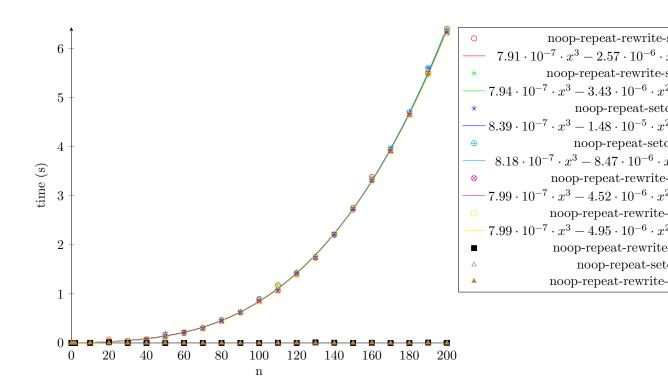


Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

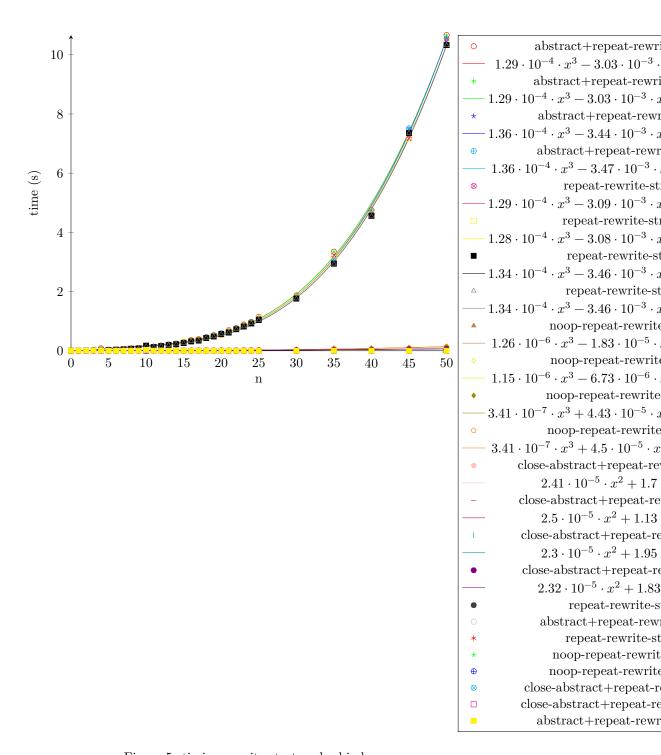


Figure 5: timing-rewrite-strat-under-binders

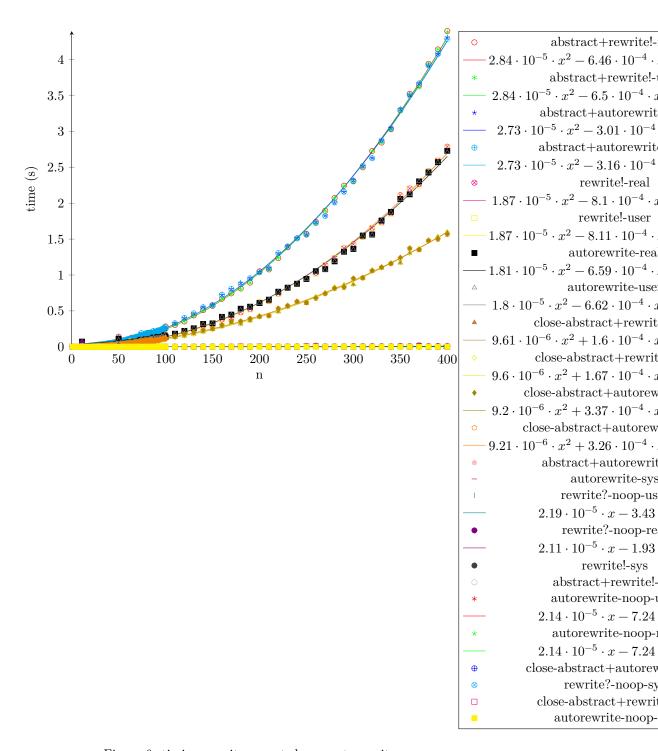


Figure 6: timing-rewrite-repeated-app-autorewrite

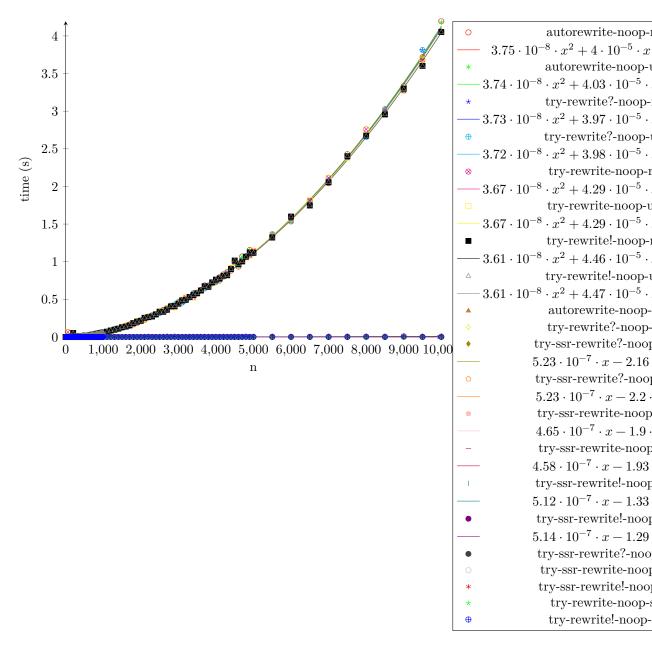


Figure 7: timing-rewrite-repeated-app-autorewrite-noop

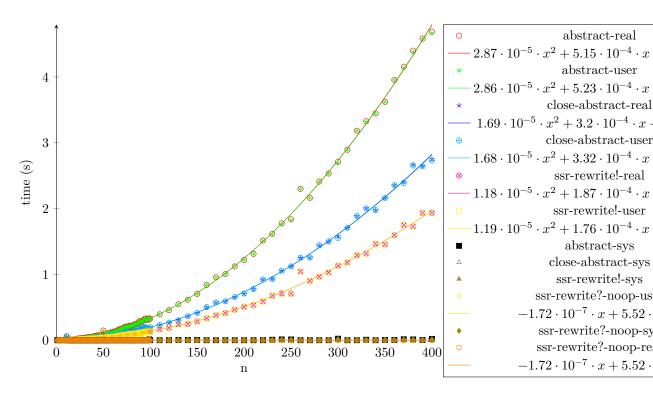


Figure 8: timing-rewrite-repeated-app-ssrrewrite

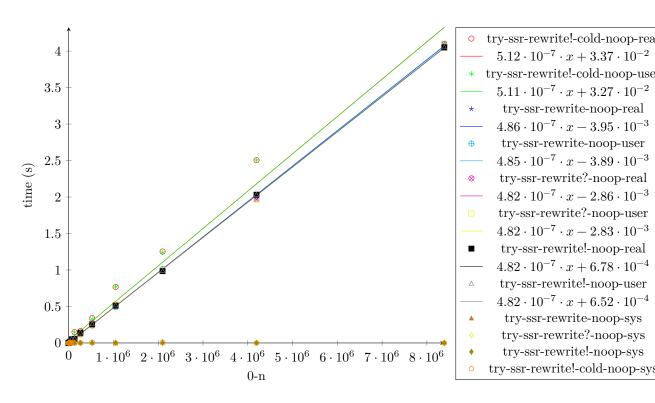


Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn $\ 1$

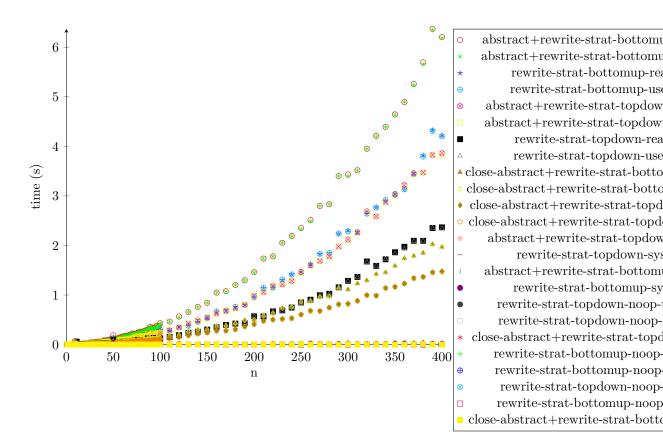
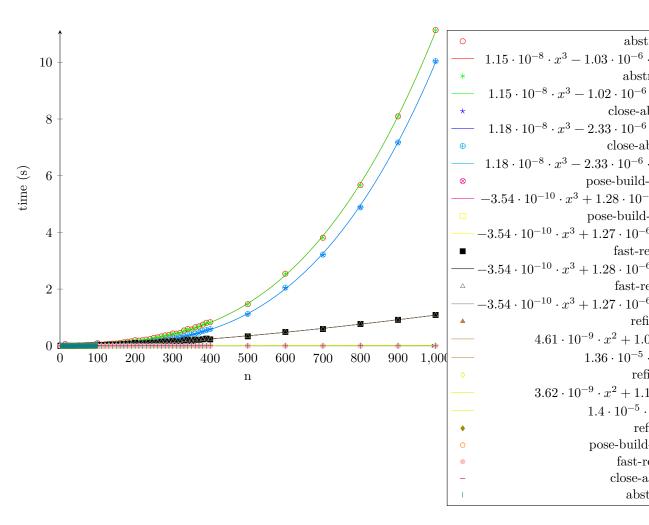


Figure 10: timing-rewrite-repeated-app-rewrite-strat



abst

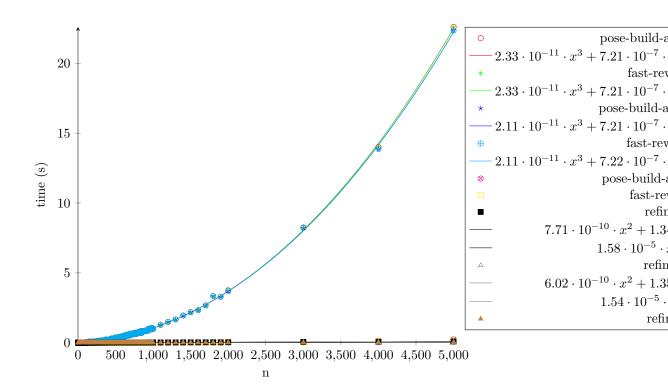
abst

ref

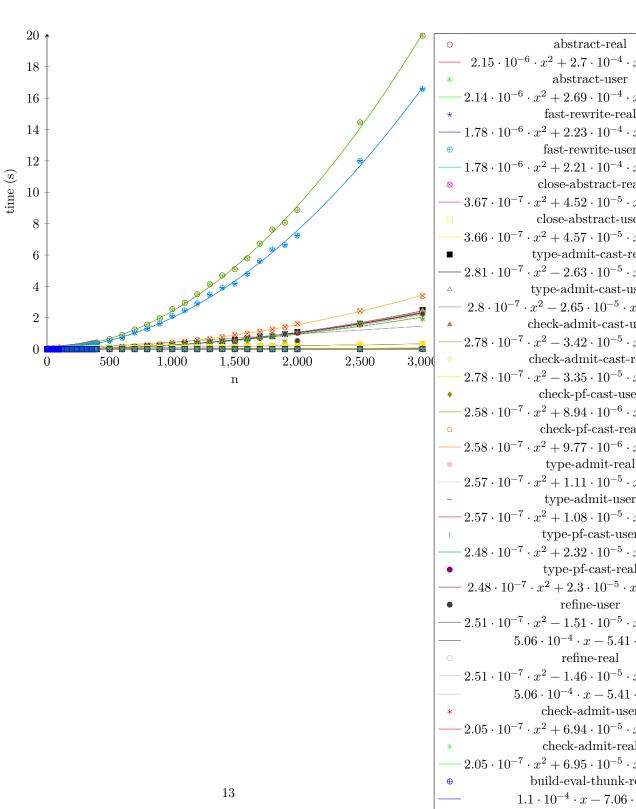
fast-re

abst

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



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



abstract-real

abstract-user

fast-rewrite-real

fast-rewrite-user

close-abstract-rea

close-abstract-use

type-admit-cast-re

type-admit-cast-us

check-admit-cast-u

check-admit-cast-r

check-pf-cast-use

check-pf-cast-rea

type-admit-real

type-admit-user

type-pf-cast-user

type-pf-cast-real

refine-user

refine-real

check-admit-user

check-admit-real

build-eval-thunk-re

 $1.1 \cdot 10^{-4} \cdot x - 7.06 \cdot$ build-thunk-real $1.09 \cdot 10^{-4} \cdot x - 7.21 \cdot$ build-eval-thunk-u $1.09 \cdot 10^{-4} \cdot x - 9.33 \cdot$ build-thunk-user $1.08 \cdot 10^{-4} \cdot x - 9.74 \cdot$