

Figure 1: timing-pattern

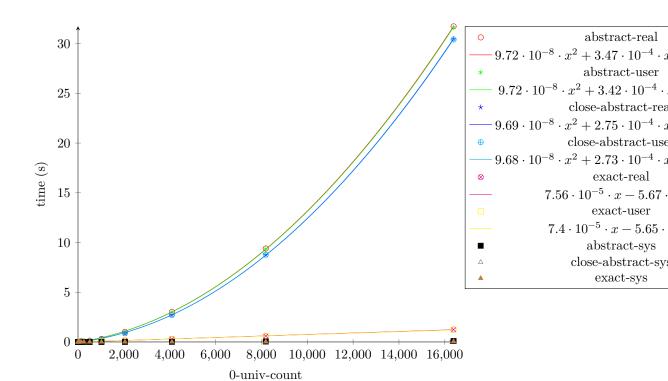


Figure 2: timing-n-polymorphic-universes param-1-n 0

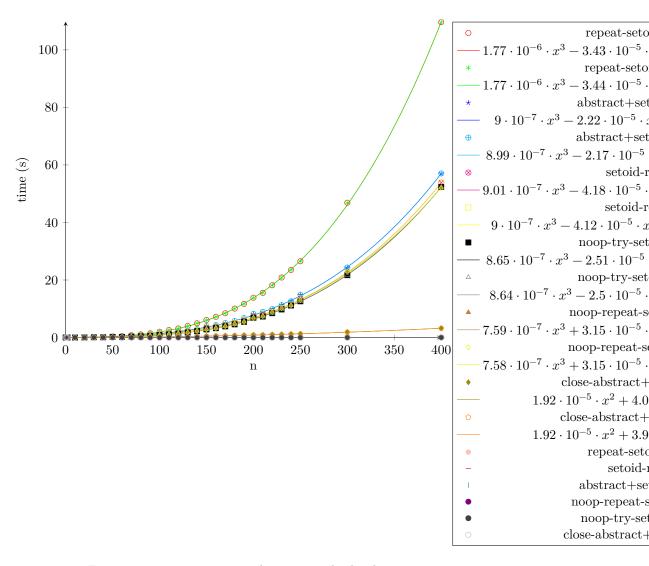
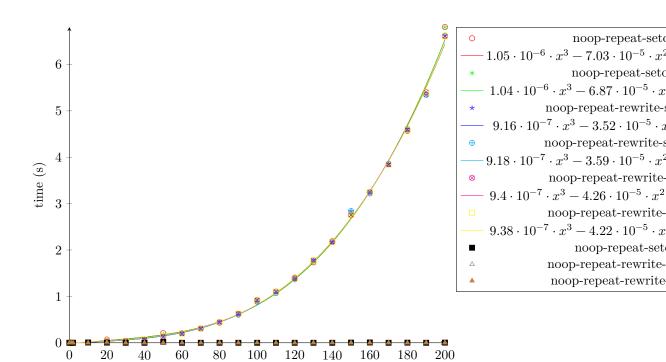


Figure 3: timing-repeat-setoid-rewrite-under-binders



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

n

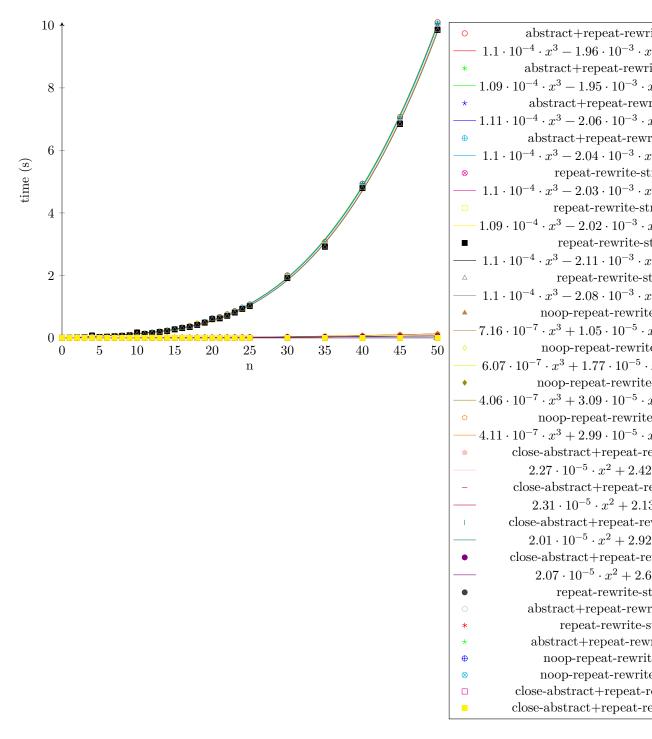


Figure 5: timing-rewrite-strat-under-binders

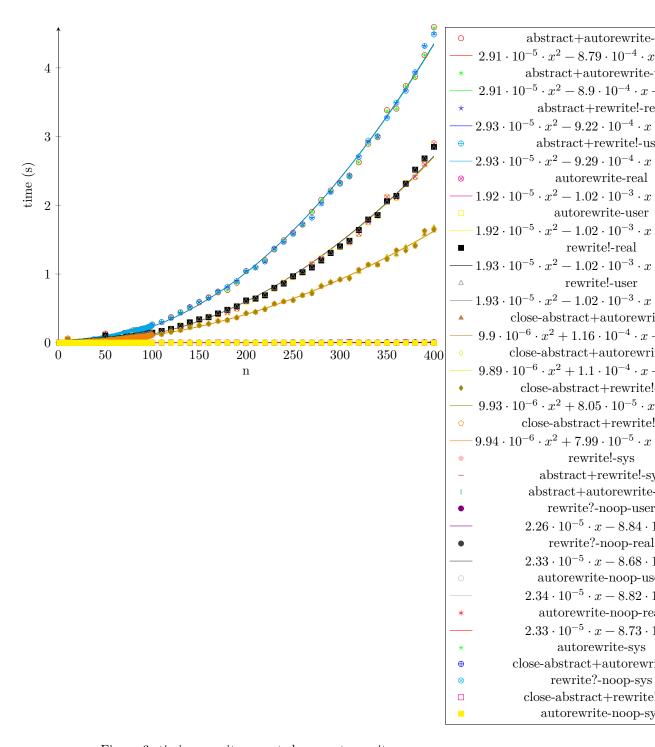


Figure 6: timing-rewrite-repeated-app-autorewrite

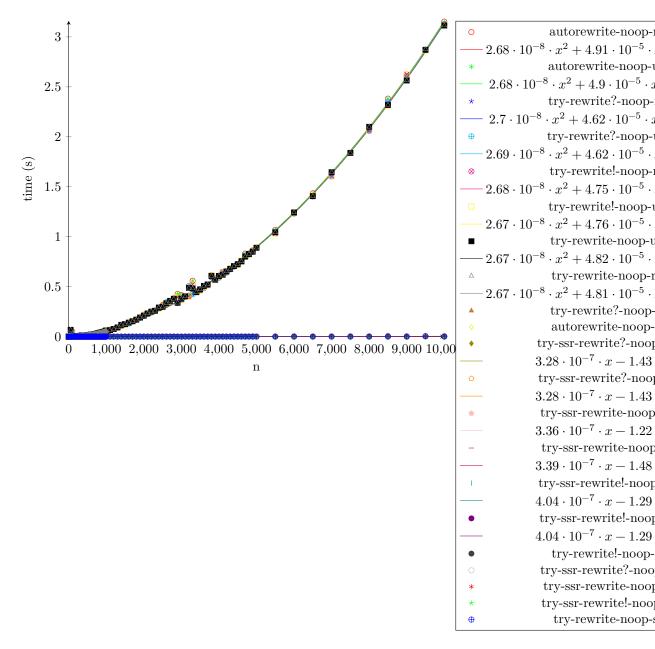
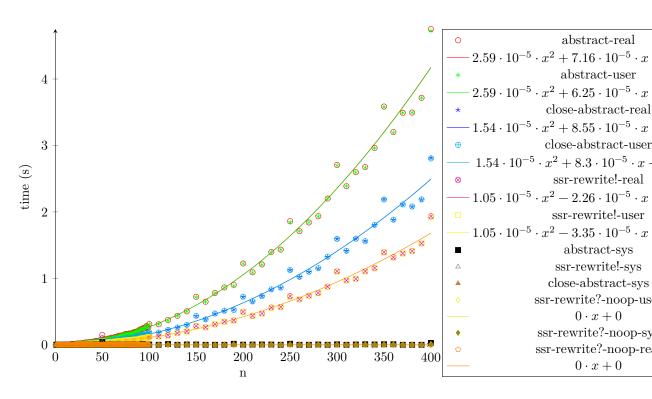


Figure 7: timing-rewrite-repeated-app-autorewrite-noop



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

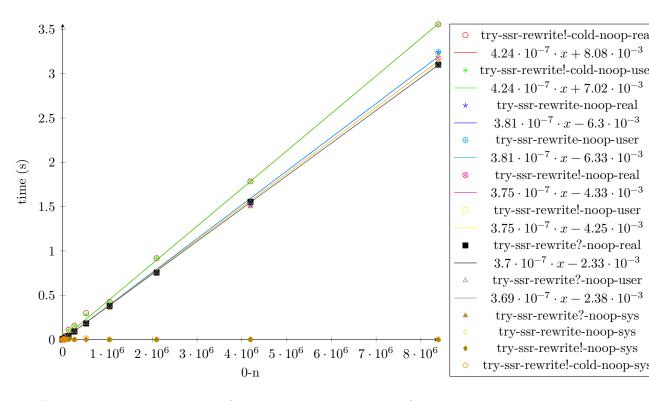


Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn 1

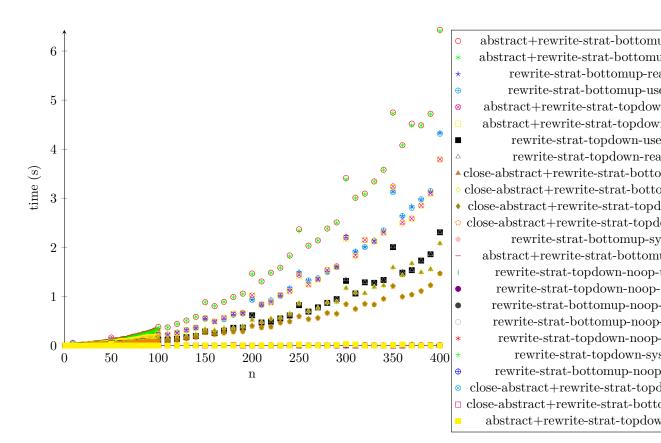


Figure 10: timing-rewrite-repeated-app-rewrite-strat

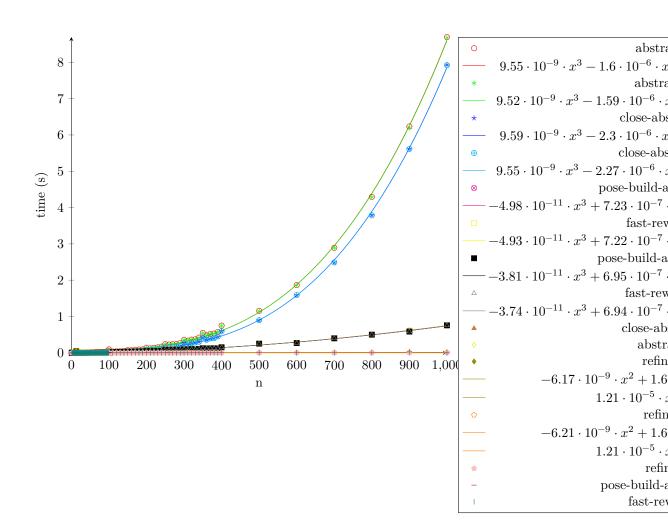
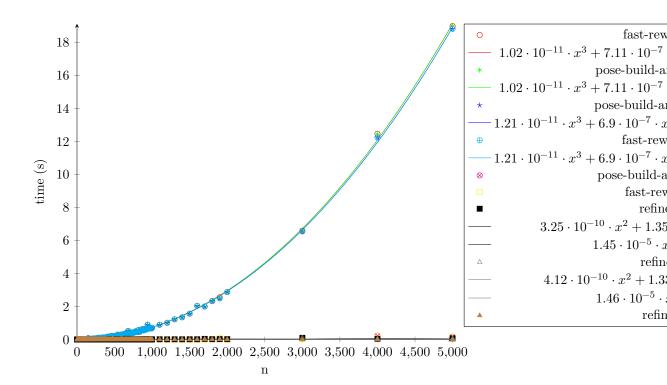
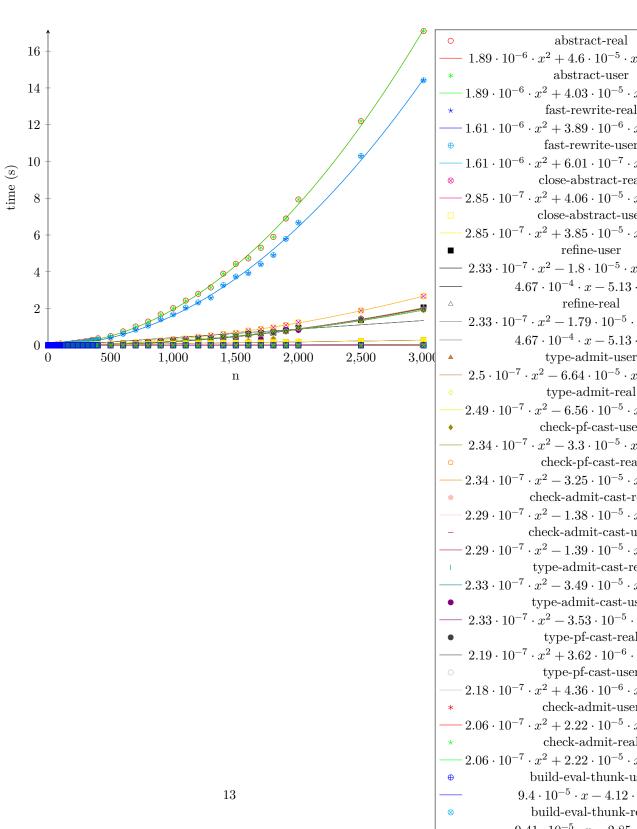


Figure 11: timing-rewrite-repeated-app-fast-rewrite



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



abstract-real

abstract-user

fast-rewrite-real

fast-rewrite-user

close-abstract-rea

close-abstract-use

refine-user

 $4.67 \cdot 10^{-4} \cdot x - 5.13 \cdot$ refine-real

 $4.67 \cdot 10^{-4} \cdot x - 5.13 \cdot$

type-admit-user

type-admit-real

check-pf-cast-use

check-pf-cast-rea

 $9.4 \cdot 10^{-5} \cdot x - 4.12 \cdot$

build-eval-thunk-re $9.41 \cdot 10^{-5} \cdot x - 2.85 \cdot$ build-thunk-user $9.31 \cdot 10^{-5} \cdot x - 4.27 \cdot$ build-thunk-real $9.33 \cdot 10^{-5} \cdot x - 3.03 \cdot$ chock Lusor