

Figure 1: timing-pattern

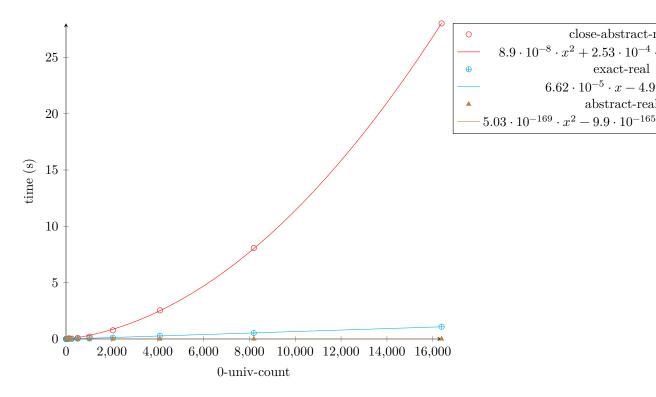


Figure 2: timing-n-polymorphic-universes param-1-n $\,0\,$

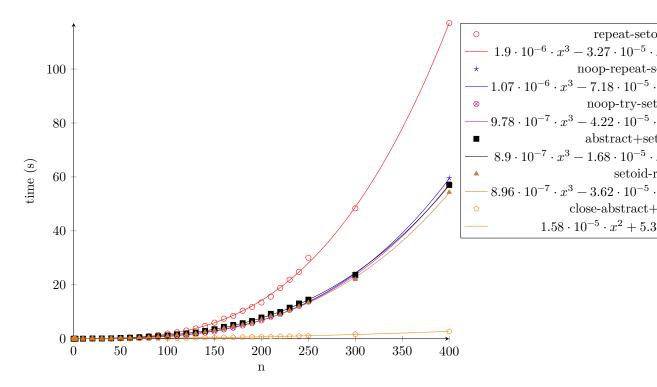


Figure 3: timing-repeat-setoid-rewrite-under-binders

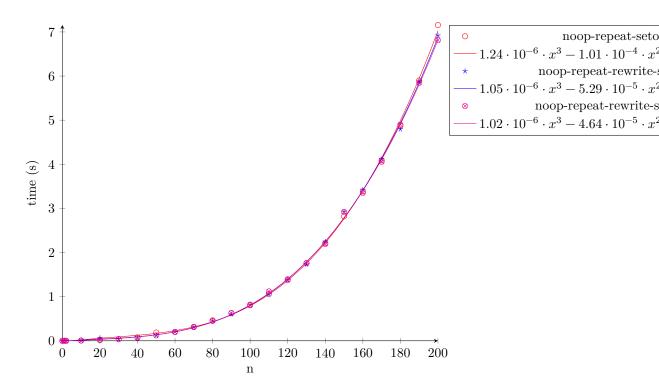
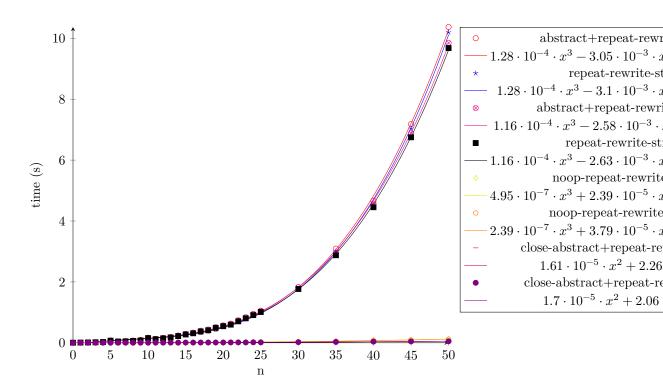
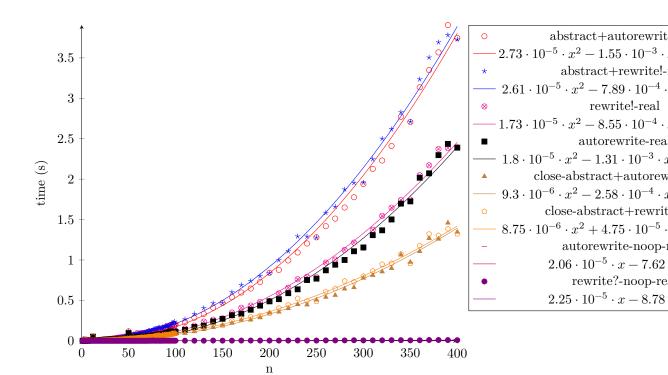


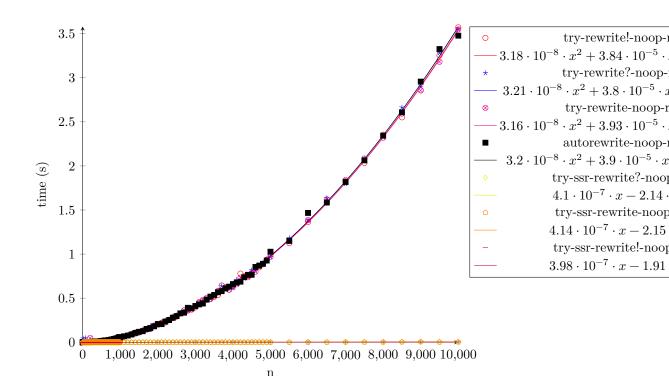
Figure 4: timing-repeat-setoid-rewrite-under-binders-noop



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



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



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

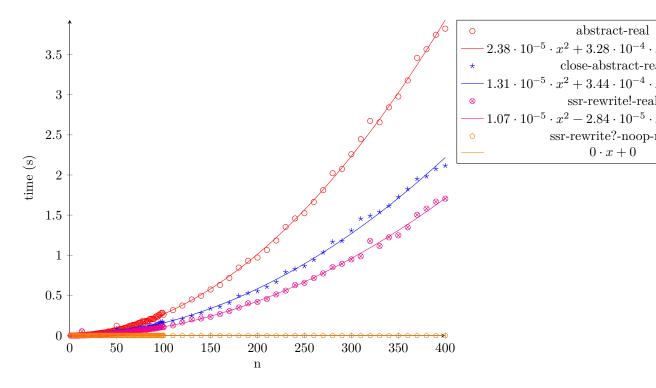
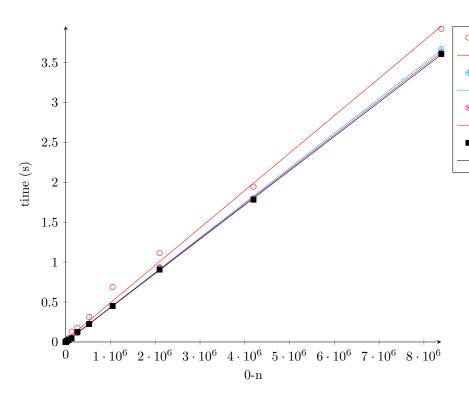


Figure 8: timing-rewrite-repeated-app-ssrrewrite



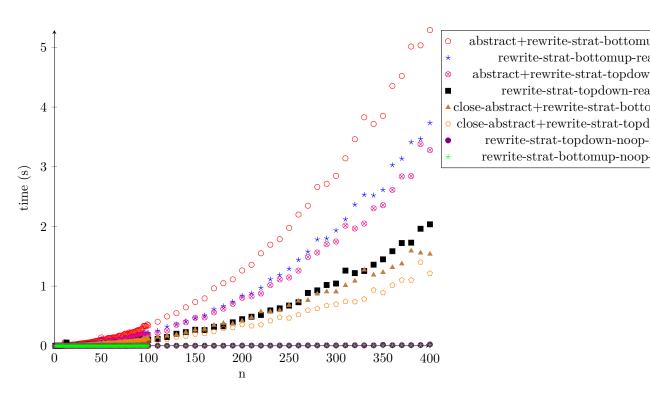
try-ssr-rewrite!-cold-noop-rea $4.69 \cdot 10^{-7} \cdot x + 2.22 \cdot 10^{-2}$

try-ssr-rewrite-noop-real $4.36\cdot 10^{-7}\cdot x - 3.99\cdot 10^{-4}$

 $\begin{aligned} &\text{try-ssr-rewrite?-noop-real}\\ &4.32\cdot 10^{-7}\cdot x + 1.06\cdot 10^{-3}\\ &\text{try-ssr-rewrite!-noop-real} \end{aligned}$

 $4.29\cdot 10^{-7}\cdot x - 3.47\cdot 10^{-4}$

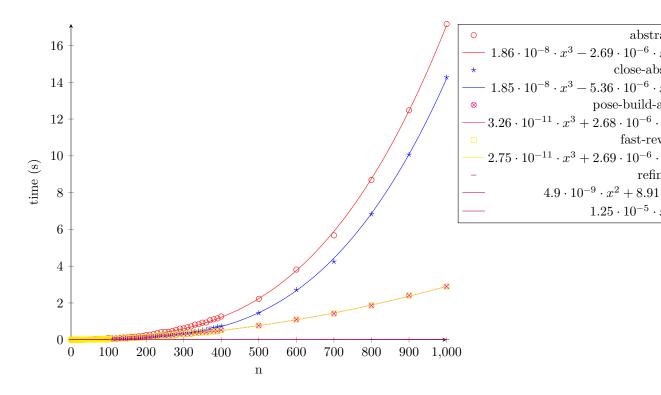
Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn $\,1\,$



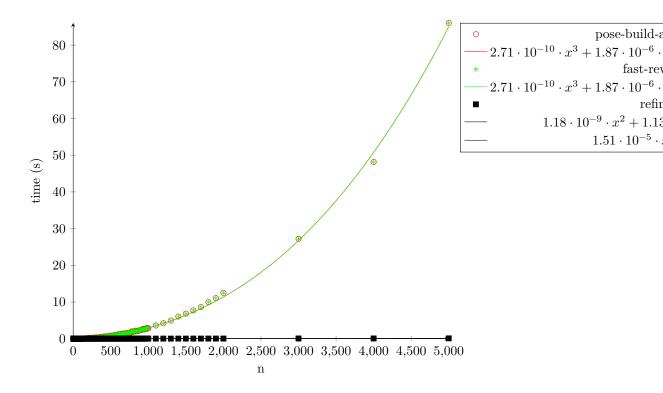
rewrite-strat-bottomup-rea abstract + rewrite - strat - topdowrewrite-strat-topdown-rea

rewrite-strat-topdown-nooprewrite-strat-bottomup-noop-

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



 $Figure~11:~timing\mbox{-rewrite-repeated-app-fast-rewrite}$



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