

Figure 1: timing-pattern

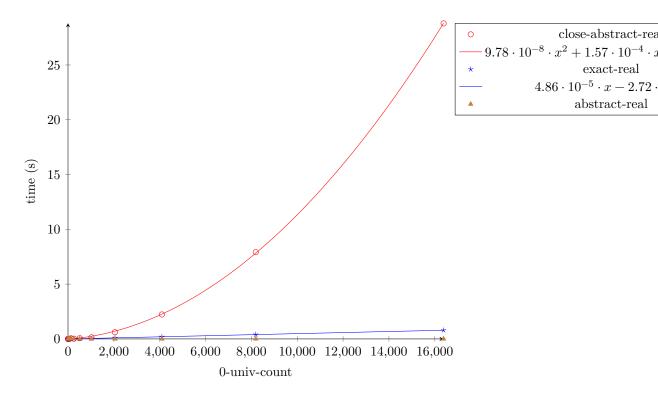
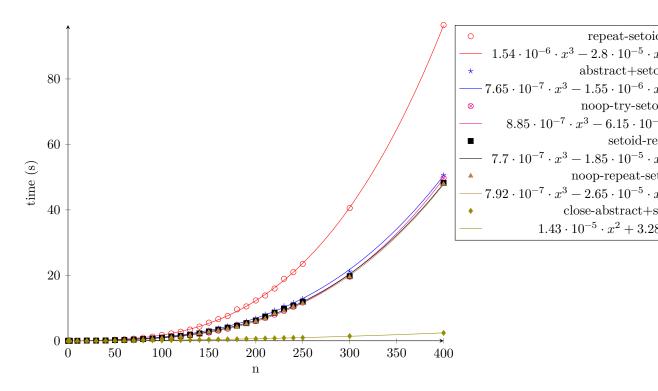
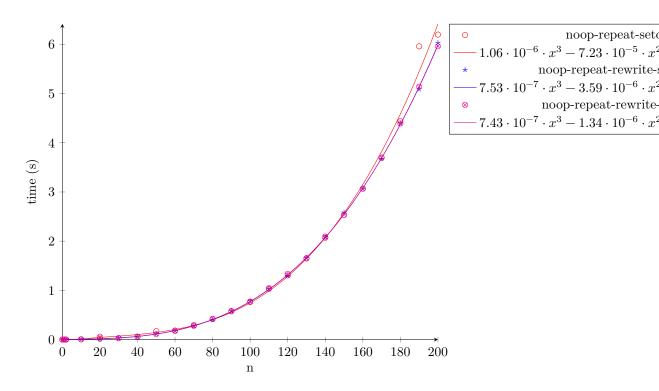


Figure 2: timing-n-polymorphic-universes param-1-n $\,0\,$



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



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

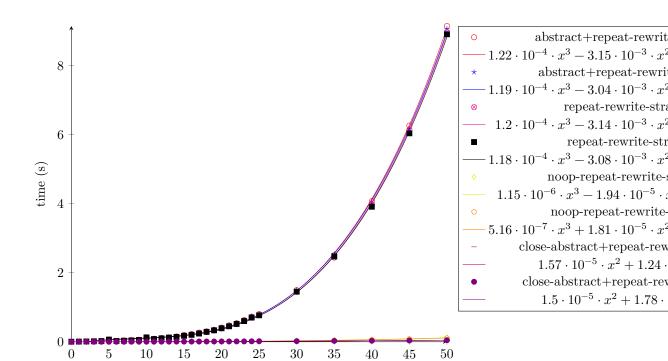
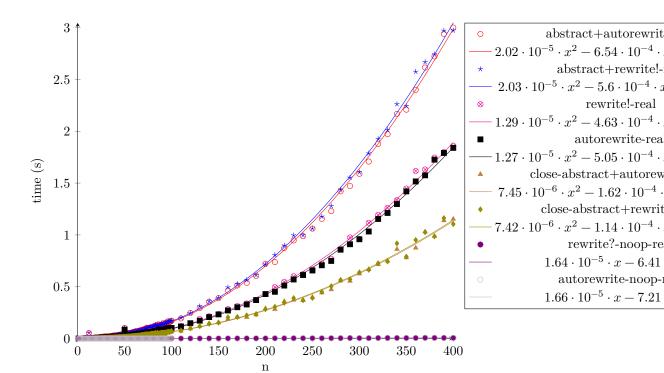
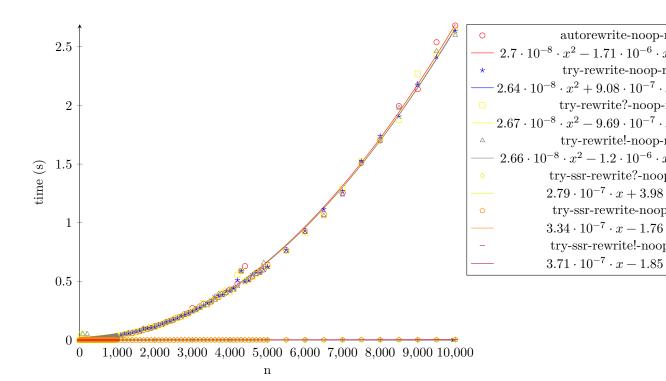


Figure 5: timing-rewrite-strat-under-binders

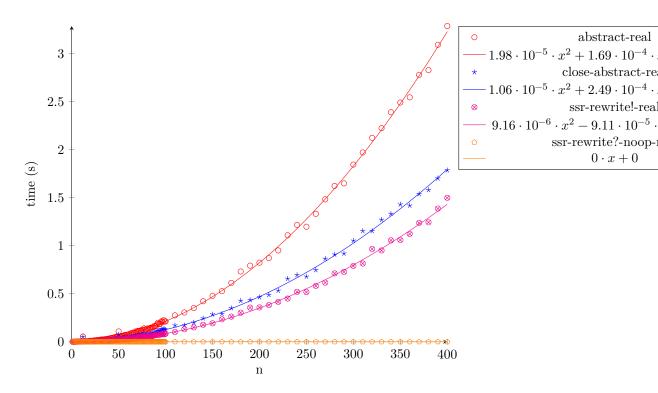
n



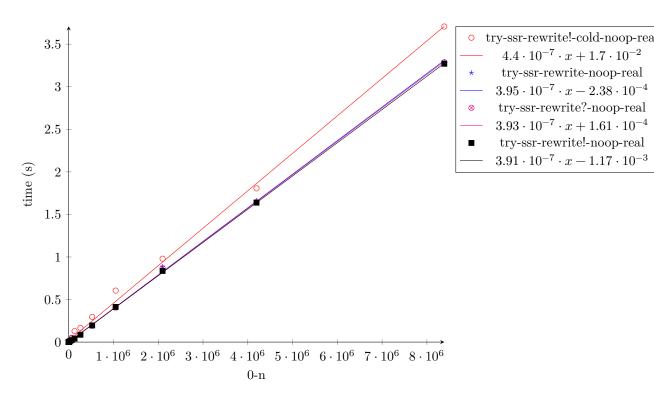
 $Figure \ 6: \ timing-rewrite-repeated-app-autorewrite \\$



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



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

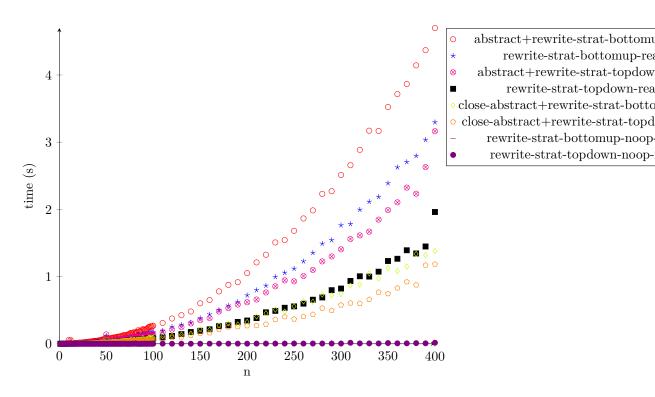


 $4.4\cdot 10^{-7}\cdot x + 1.7\cdot 10^{-2}$ try-ssr-rewrite-noop-real

 $3.95\cdot 10^{-7}\cdot x - 2.38\cdot 10^{-4}$ try-ssr-rewrite?-noop-real $3.93 \cdot 10^{-7} \cdot x + 1.61 \cdot 10^{-4}$

try-ssr-rewrite!-noop-real $3.91\cdot 10^{-7}\cdot x - 1.17\cdot 10^{-3}$

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



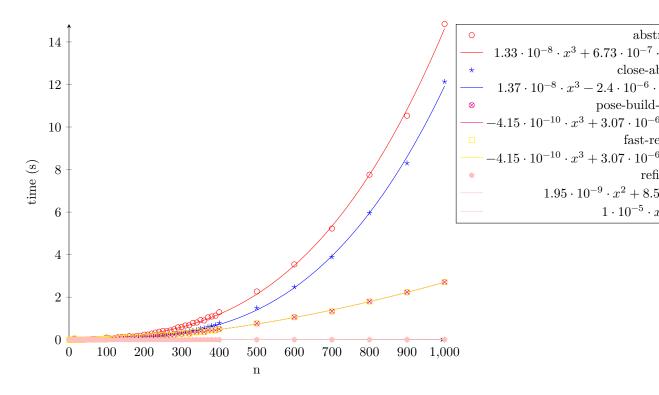
rewrite-strat-bottomup-rea

rewrite-strat-topdown-rea

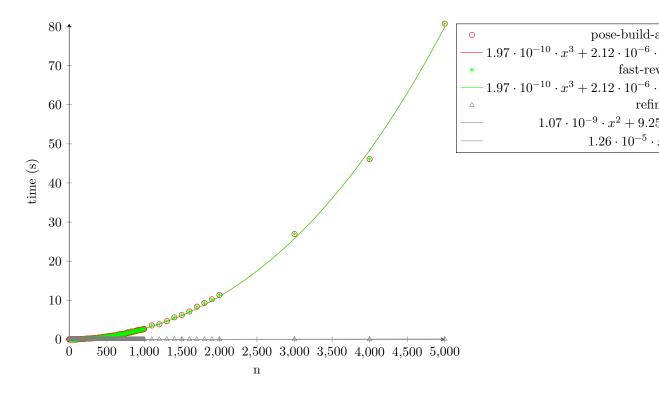
rewrite-strat-bottomup-noop-

rewrite-strat-topdown-noop-

 $Figure~10:~timing\mbox{-rewrite-repeated-app-rewrite-strat}$



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



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