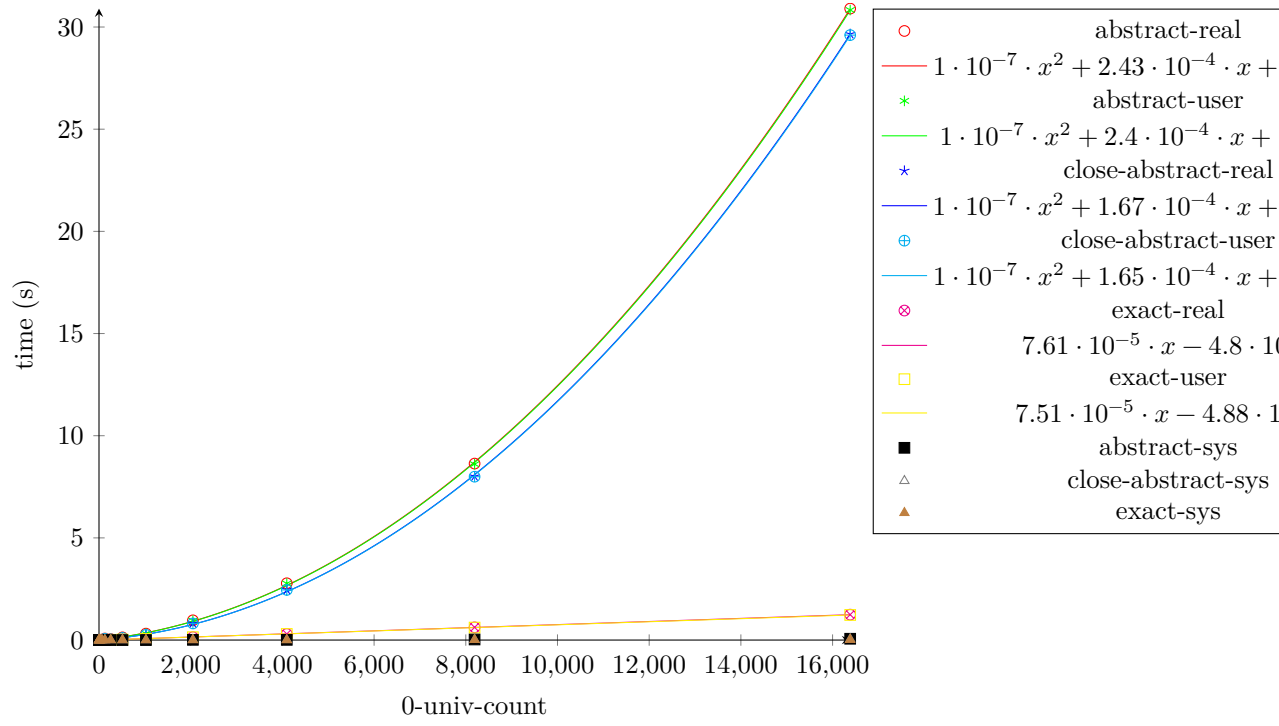Figure 1: timing-pattern

1

Figure 2: timing-n-polymorphic-universes param-1-n   0
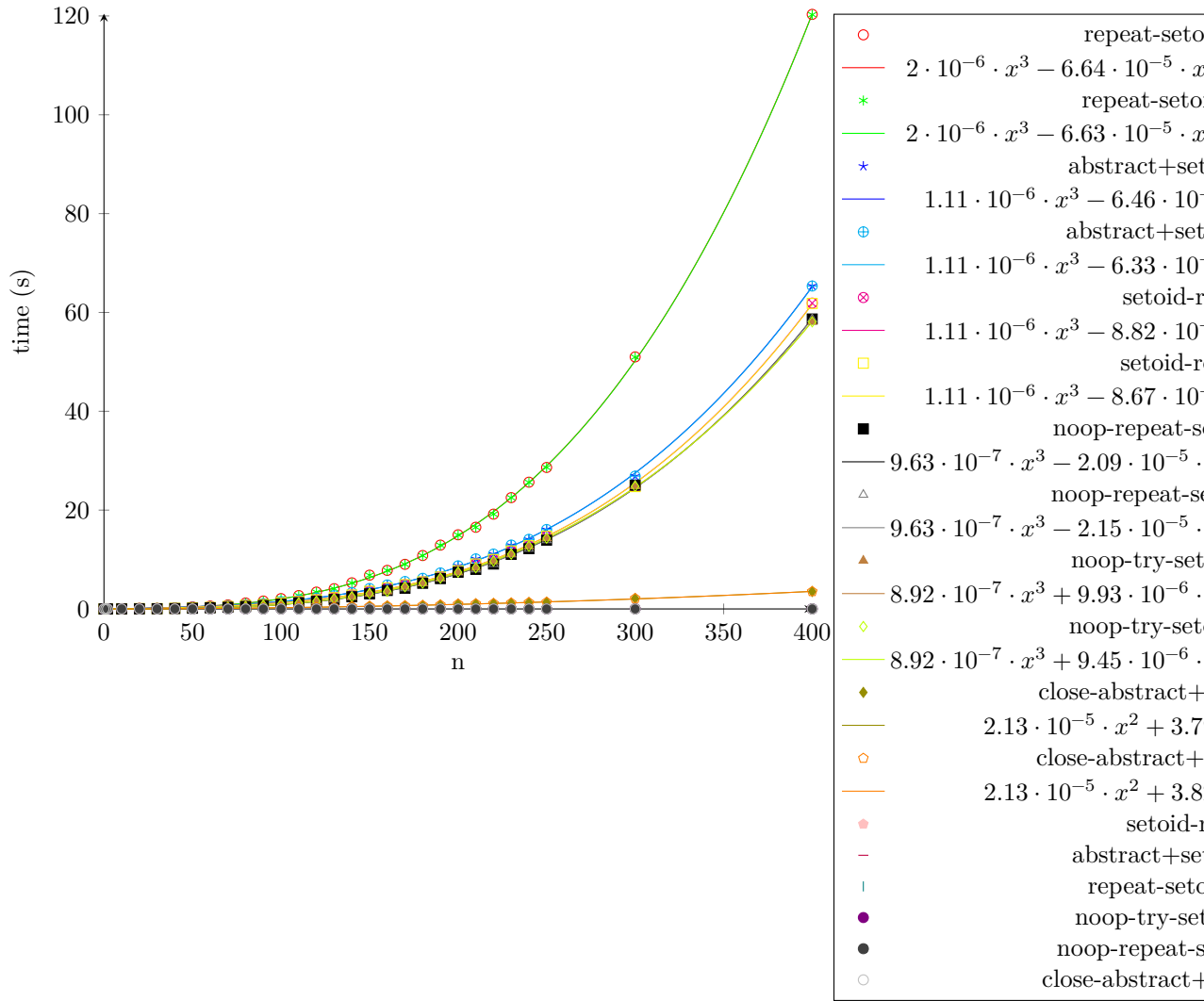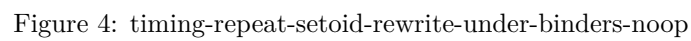
Figure 3: timing-repeat-setoid-rewrite-under-binders

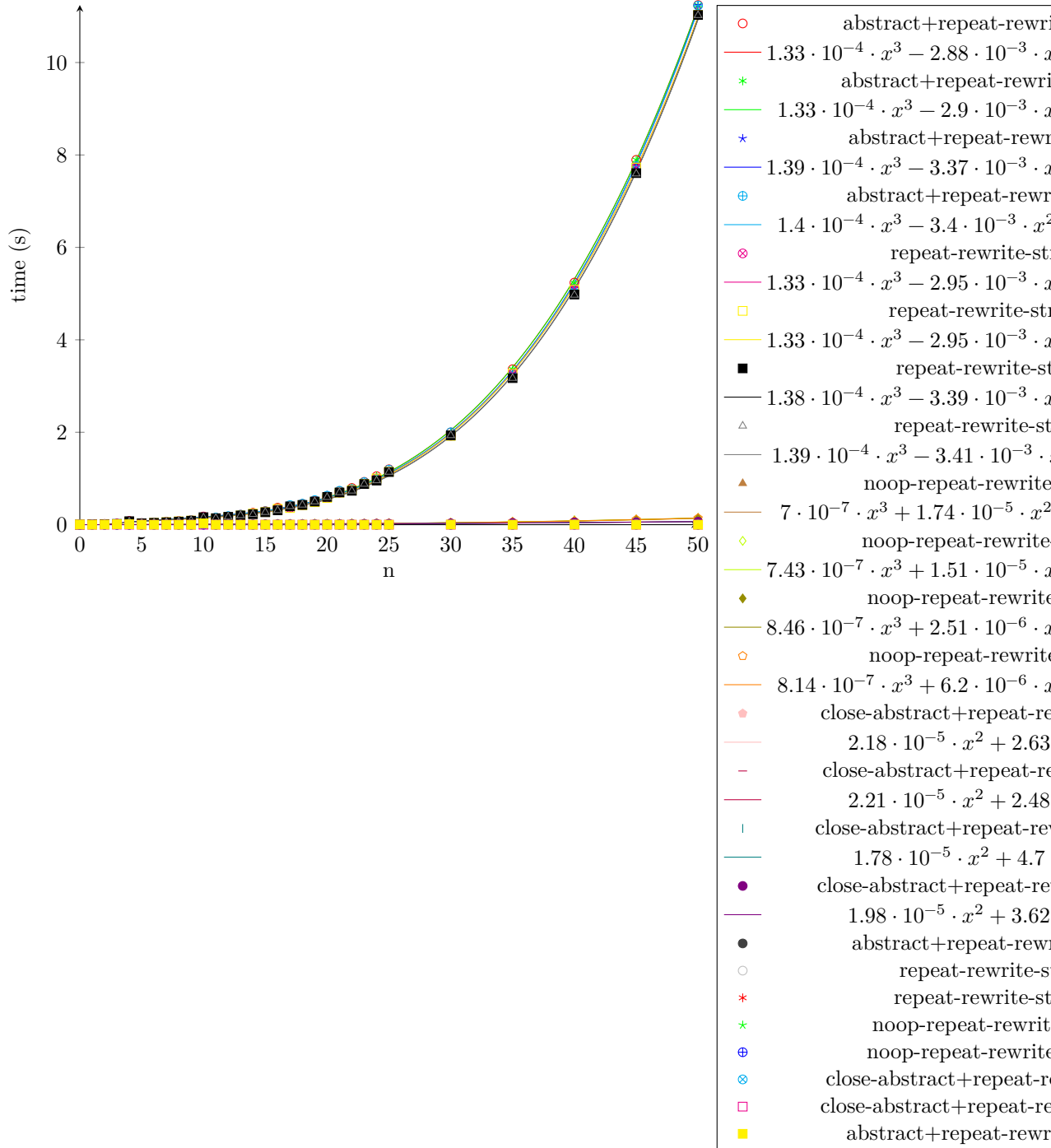Figure 4: timing-repeat-setoid-rewrite-under-binders-noop

4

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

5
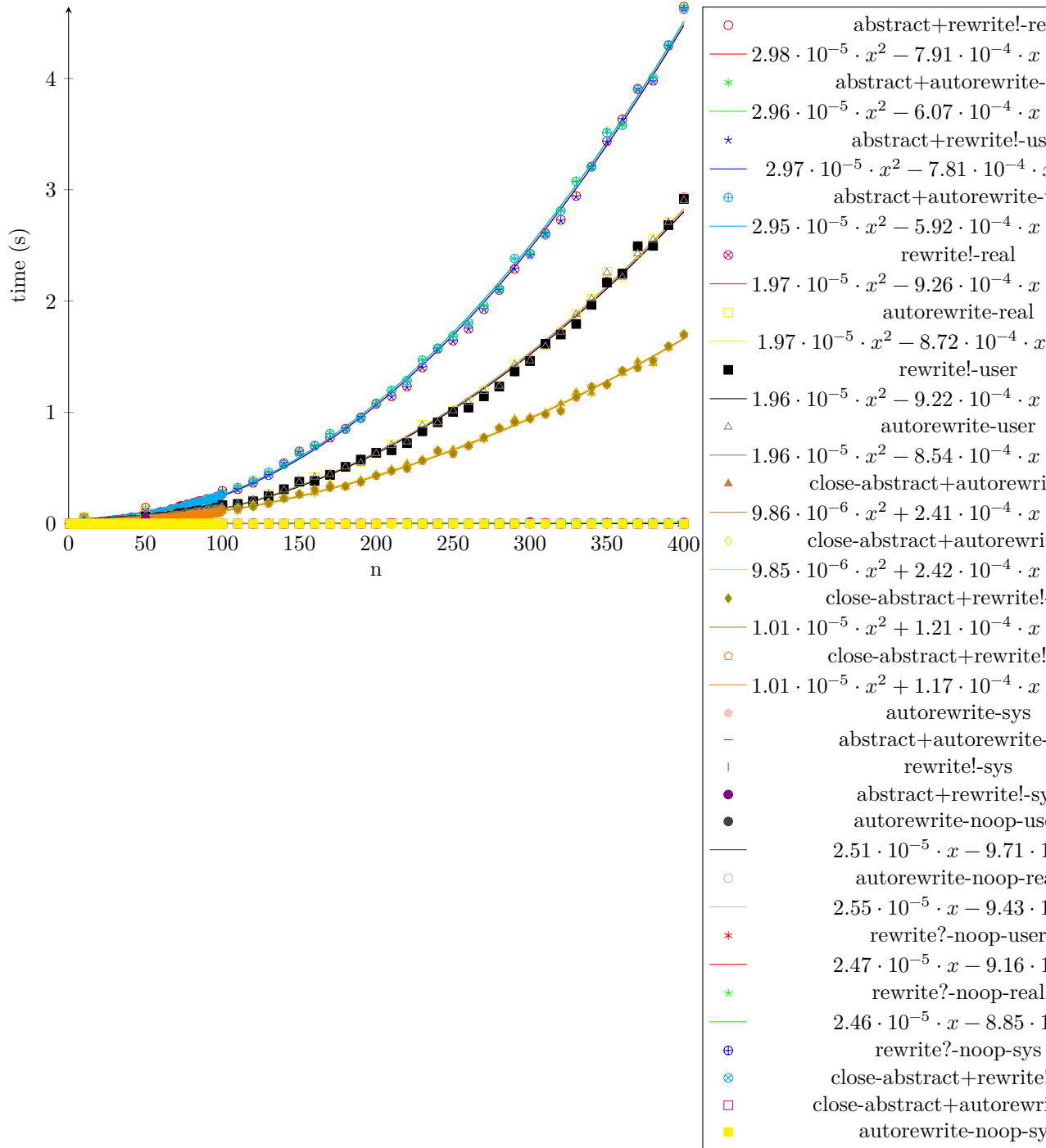
Figure 6: timing-rewrite-repeated-app-autorewrite

6

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

The legend of the figure contains the following entries:

try-rewrite-noop-rea
$4.07 \cdot 10^{-8} \cdot x^2 + 3.11 \cdot 10^{-5} \cdot x$
try-rewrite-noop-use
$4.07 \cdot 10^{-8} \cdot x^2 + 3.06 \cdot 10^{-5} \cdot x$
try-rewrite?-noop-re
$4.09 \cdot 10^{-8} \cdot x^2 + 3.01 \cdot 10^{-5} \cdot x$
try-rewrite?-noop-us
$4.08 \cdot 10^{-8} \cdot x^2 + 3.04 \cdot 10^{-5} \cdot x$
autorewrite-noop-rea
$3.96 \cdot 10^{-8} \cdot x^2 + 3.9 \cdot 10^{-5} \cdot x$
autorewrite-noop-use
$3.96 \cdot 10^{-8} \cdot x^2 + 3.87 \cdot 10^{-5} \cdot x$
try-rewrite!-noop-rea
$4.04 \cdot 10^{-8} \cdot x^2 + 3.35 \cdot 10^{-5} \cdot x$
try-rewrite!-noop-use
$4.04 \cdot 10^{-8} \cdot x^2 + 3.35 \cdot 10^{-5} \cdot x$
autorewrite-noop-sy
try-ssr-rewrite!-noop-u
$5.47 \cdot 10^{-7} \cdot x - 1.63 \cdot 1$
try-ssr-rewrite!-noop-r
$5.51 \cdot 10^{-7} \cdot x - 1.74 \cdot 1$
try-ssr-rewrite?-noop-u
$4.72 \cdot 10^{-7} \cdot x - 2.21 \cdot 1$
try-ssr-rewrite?-noop-r
$4.74 \cdot 10^{-7} \cdot x - 2.2 \cdot 1$
try-ssr-rewrite-noop-r
$4.91 \cdot 10^{-7} \cdot x - 2.21 \cdot 1$
try-ssr-rewrite-noop-s
try-rewrite?-noop-sy
try-ssr-rewrite-noop-u
$4.48 \cdot 10^{-7} \cdot x - 1.56 \cdot 1$
try-ssr-rewrite?-noop-
try-ssr-rewrite!-noop-
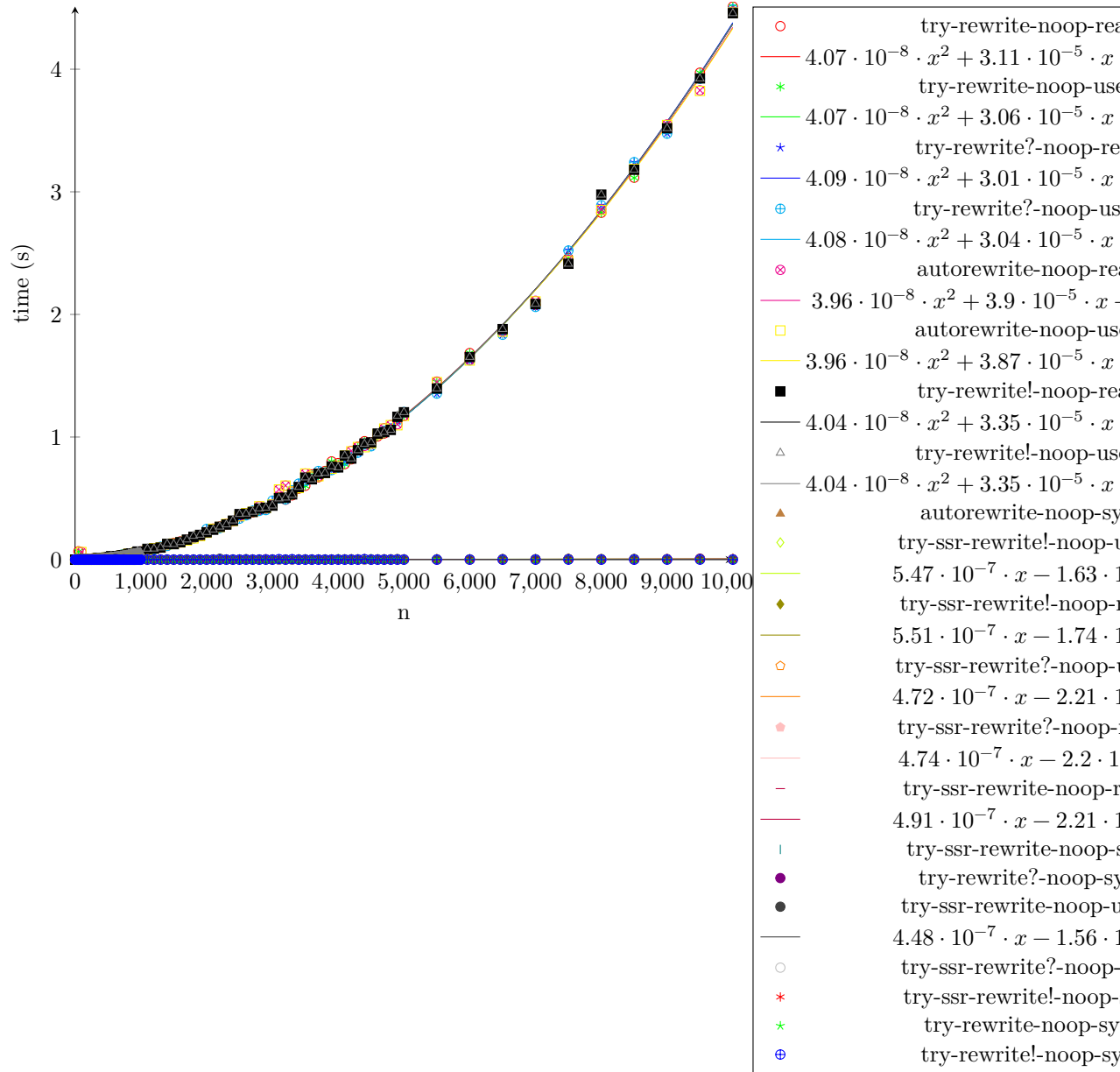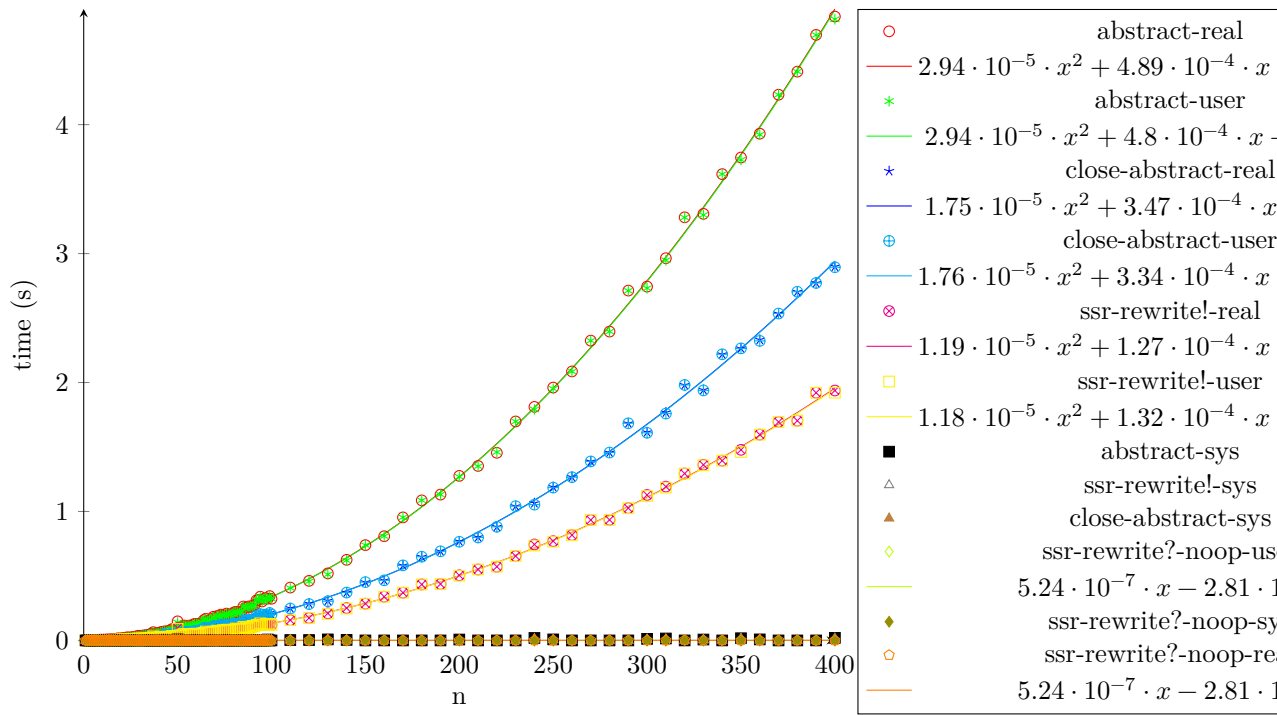try-rewrite-noop-sy
try-rewrite!-noop-sy

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

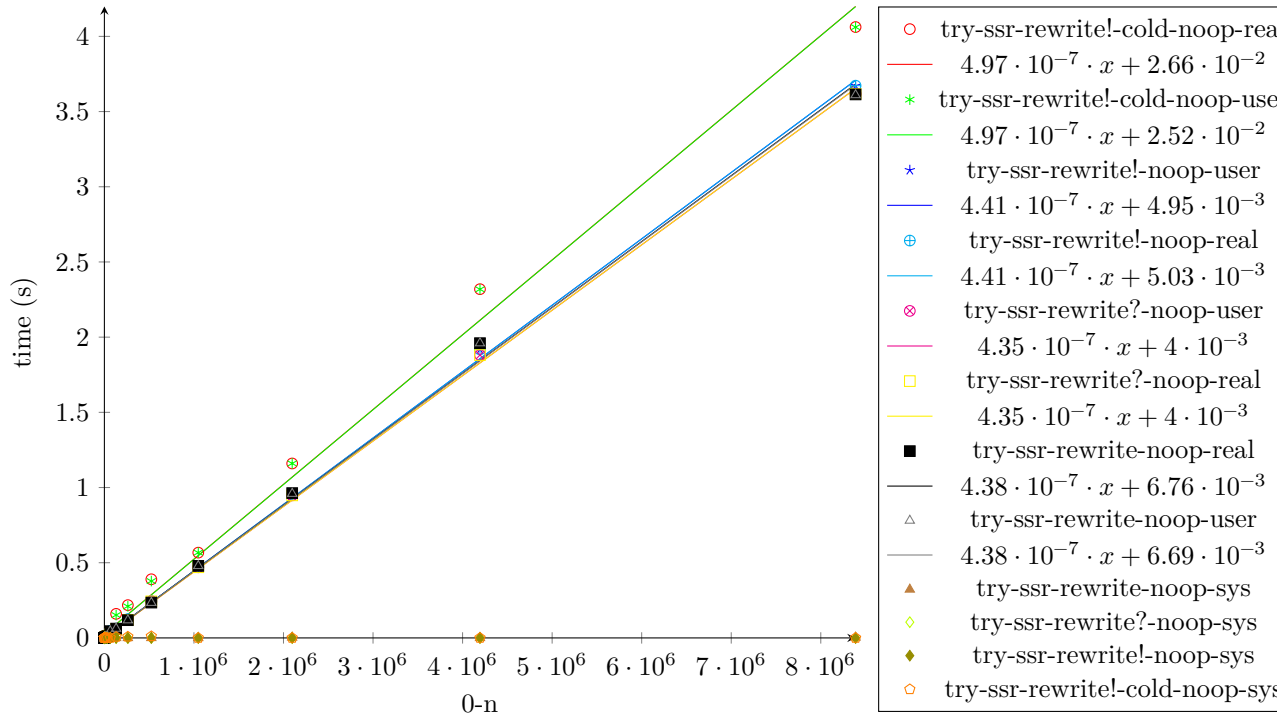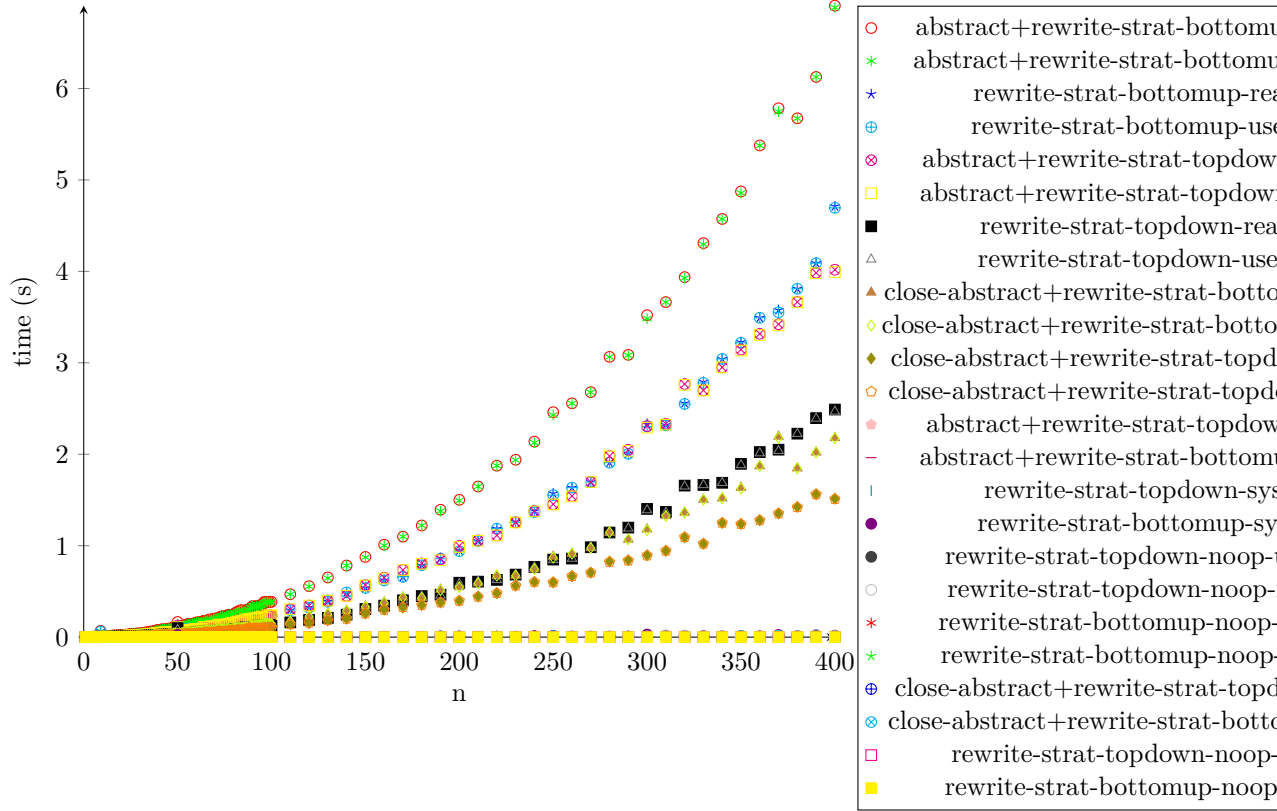Figure 9: timing-rewrite-repeated-app-ssrrewrite-noop param-1-lgn 1

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

The legend entries (partially cut off) read:

- abstract+rewrite-strat-bottomu...
- abstract+rewrite-strat-bottomu...
- rewrite-strat-bottomup-rea...
- rewrite-strat-bottomup-use...
- abstract+rewrite-strat-topdow...
- abstract+rewrite-strat-topdow...
- rewrite-strat-topdown-rea...
- rewrite-strat-topdown-use...
- close-abstract+rewrite-strat-botto...
- close-abstract+rewrite-strat-botto...
- close-abstract+rewrite-strat-topd...
- close-abstract+rewrite-strat-topd...
- abstract+rewrite-strat-topdow...
- abstract+rewrite-strat-bottomu...
- rewrite-strat-topdown-sys...
- rewrite-strat-bottomup-sy...
- rewrite-strat-topdown-noop-...
- rewrite-strat-topdown-noop-...
- rewrite-strat-bottomup-noop-...
- rewrite-strat-bottomup-noop-...
- close-abstract+rewrite-strat-topd...
- close-abstract+rewrite-strat-botto...
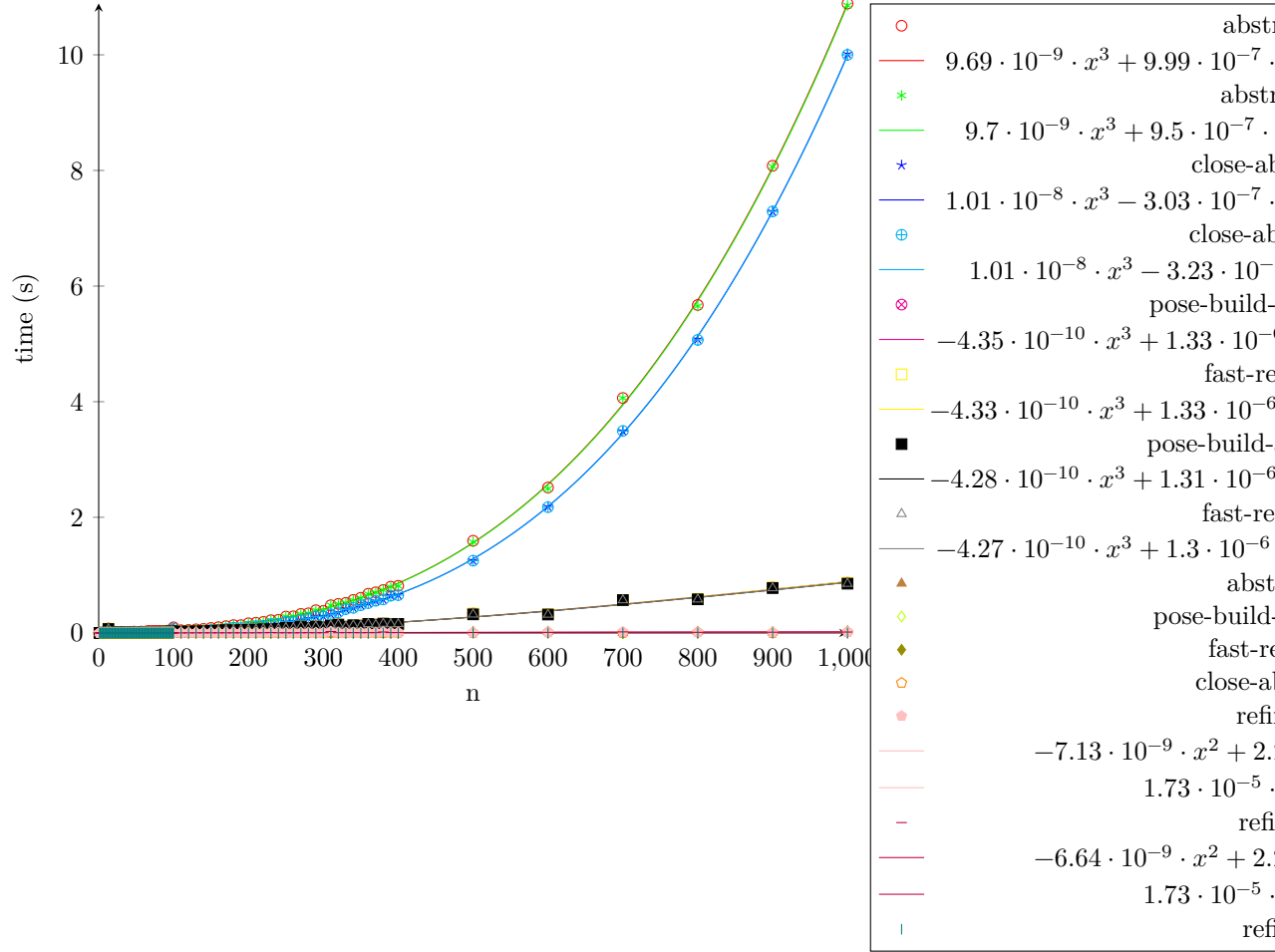- rewrite-strat-topdown-noop-...
- rewrite-strat-bottomup-noop...

10

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

11

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