

# Perl::Formance

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10 Years Dresden Perl Mongers

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Intro

Results

Summary

End

# Intro

- "We suck at benchmarking."

# Intro

- There is hope.

# Intro

- Numbers become better.

# Intro

- First conclusions now.

# Intro

- Oversimplification ahead!

# Functions and OO

- Subs and methods: **11% faster**
  - during 5.10..5.14+
- Methods **50% slower** than subs
  - selfmade/Moose/Mouse - nearly the same
  - **Moose even faster than selfmade (?)**



# Threads

- Threads ~**33% faster**
  - during 5.13

# Regex engines

- pathological regexes: all regex engines at **similar basic speed**
  - RE2, Lua, Oniguruma, Plan9
  - POSIX: results under construction

# Regexes

- Regexes became **~8% slower** in 5.14.0
  - vs. 5.12
  - **back to normal** in 5.14.2

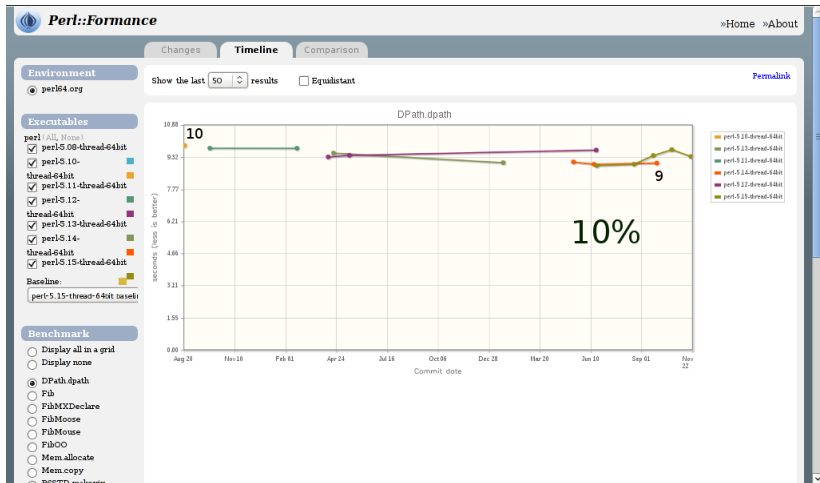
# Language Shootout

- Shootout benchmarks **1% .. 15% faster** in 5.14
  - vs. 5.12

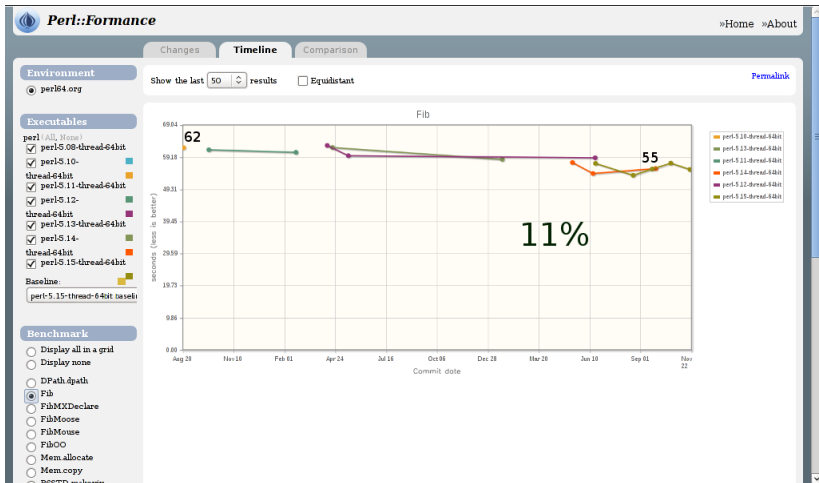
# Results

- Show real graphs!

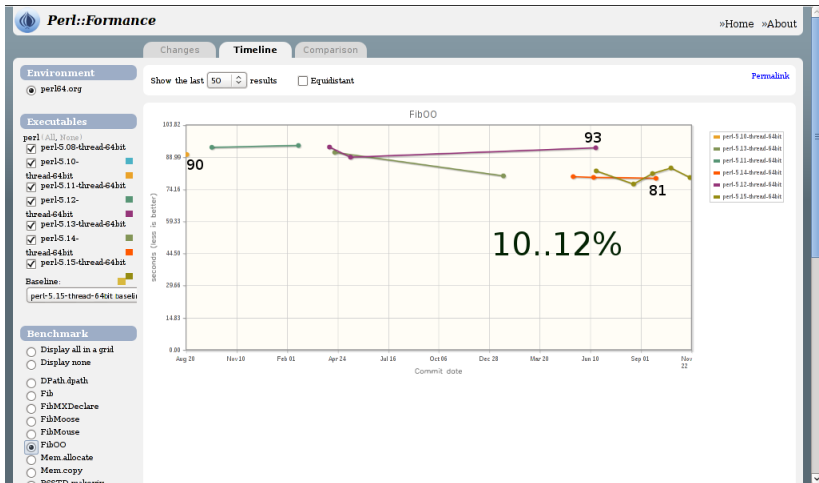
# DPath.dpath



## Fib

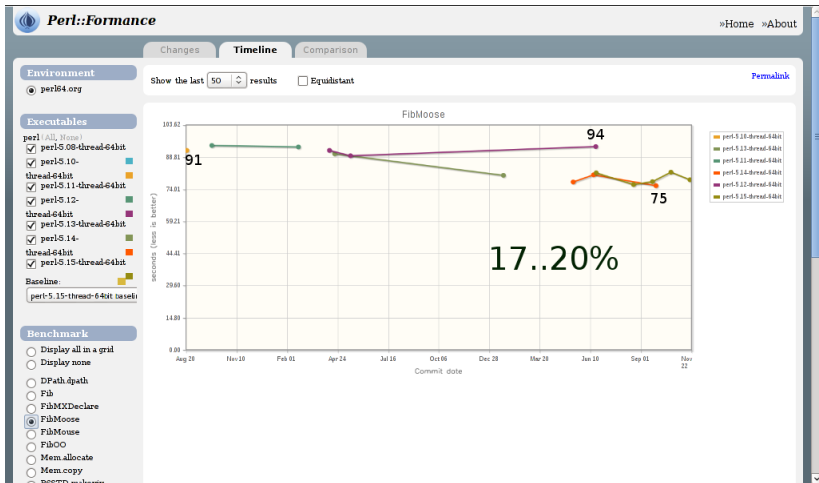


## FibOO

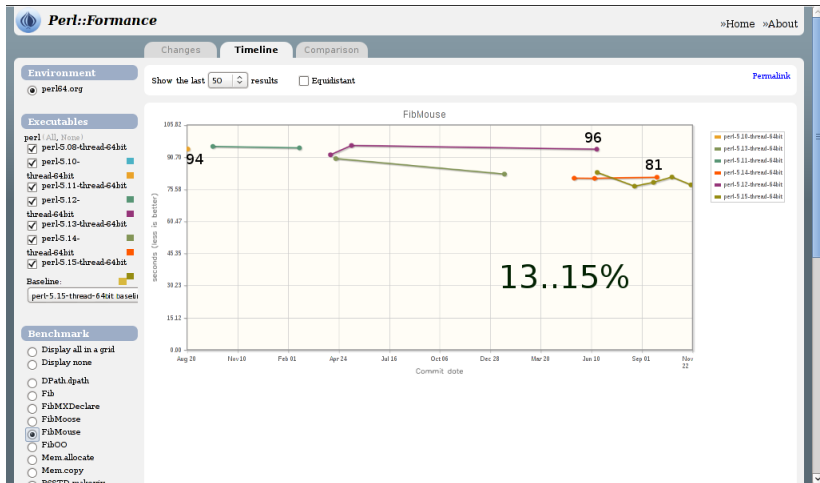




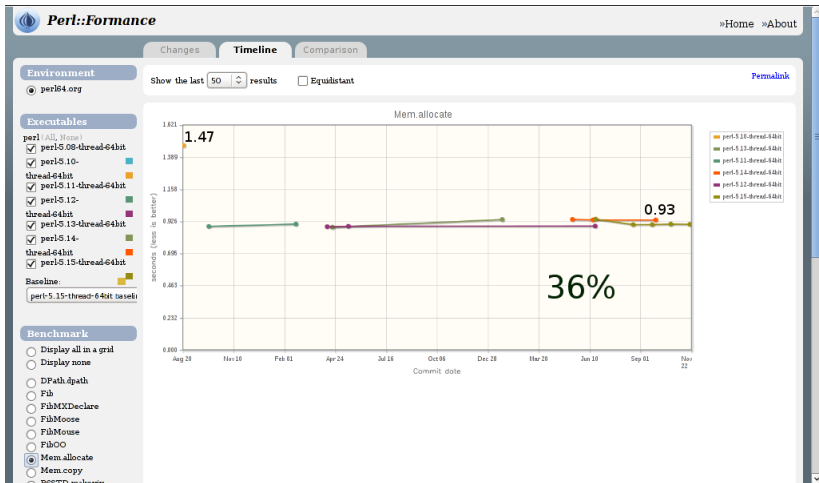
# FibMoose



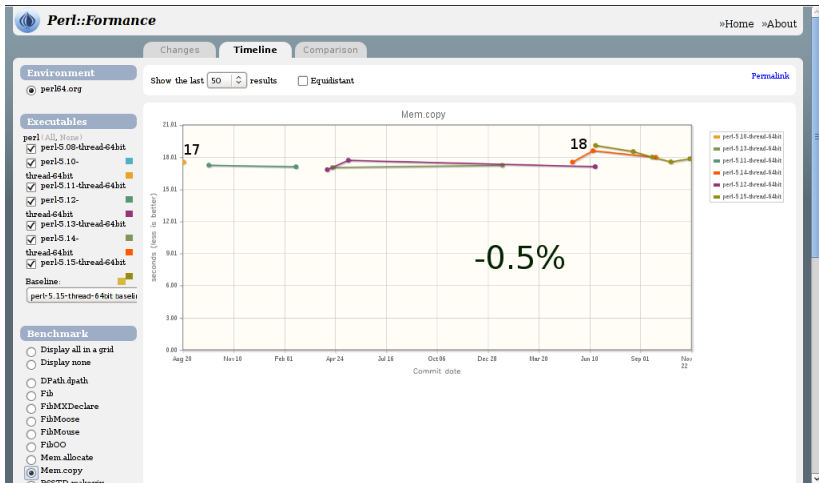
# FibMouse



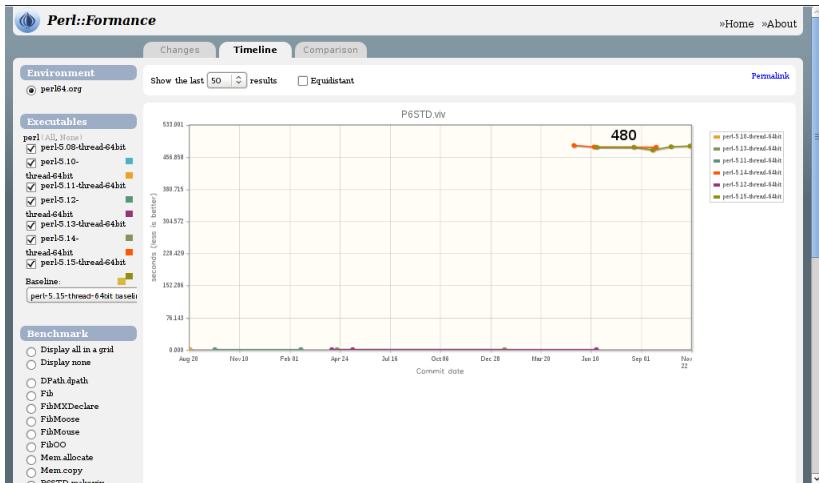
# Mem.allocate



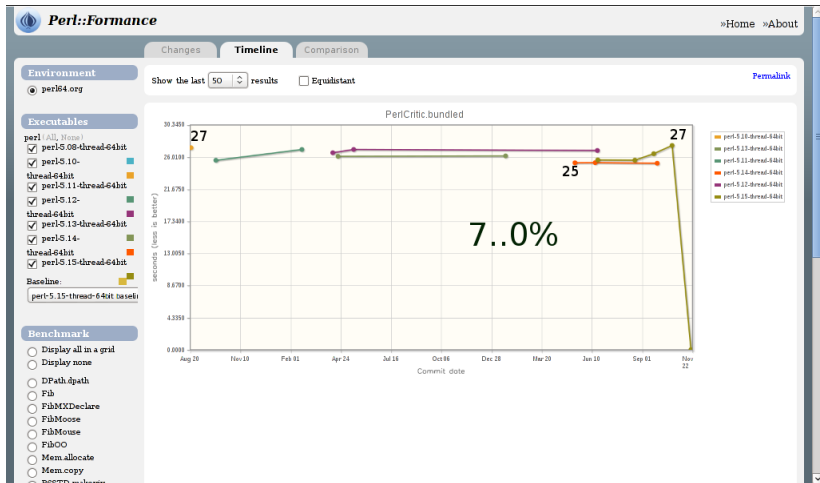
# Mem.copy



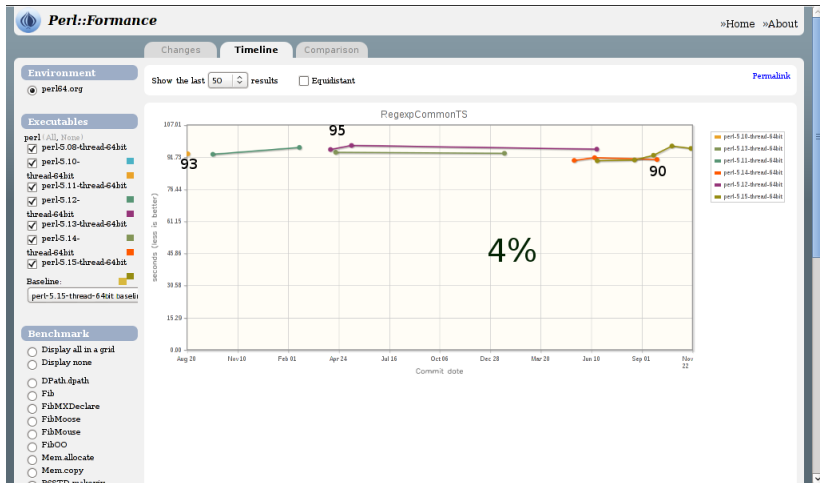
## P6STD.viv



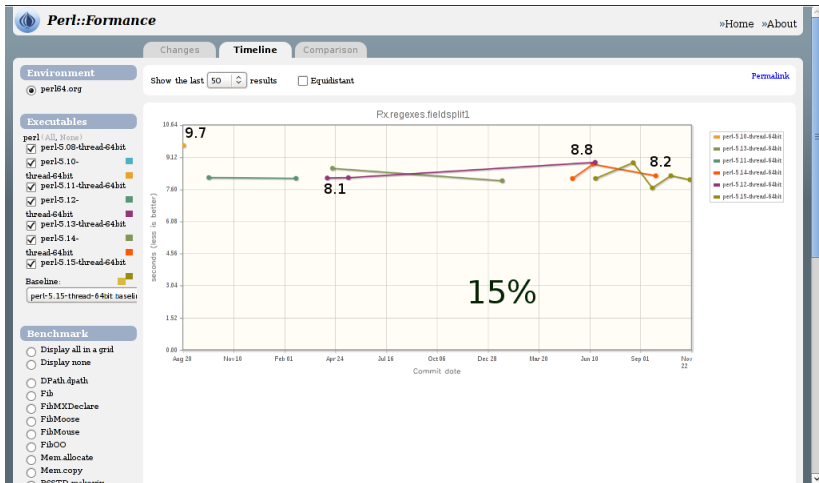
# PerlCritic



# RegexCommonTS

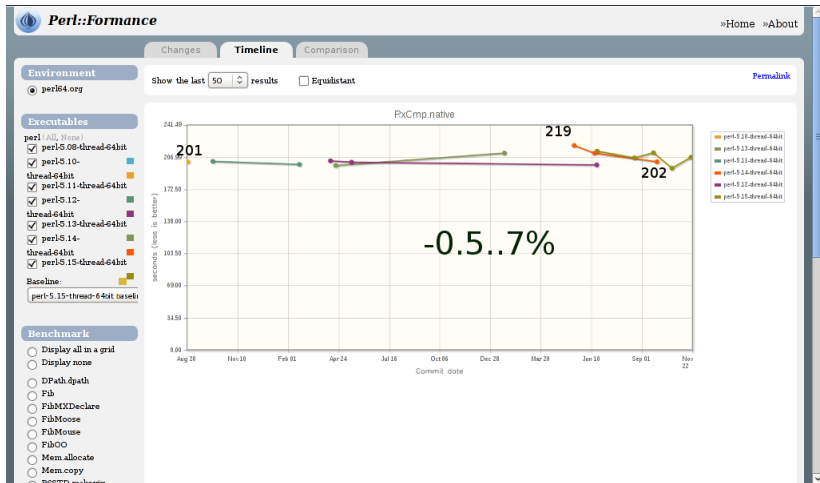


# Rx.regexes.fieldsplit1

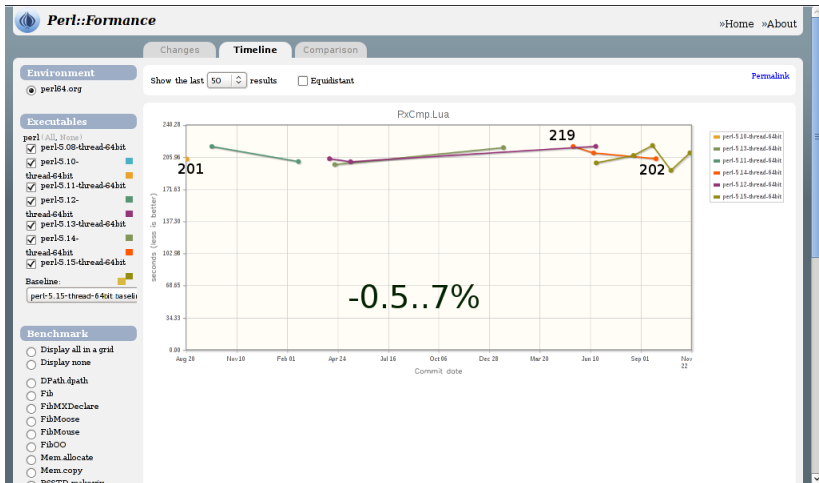




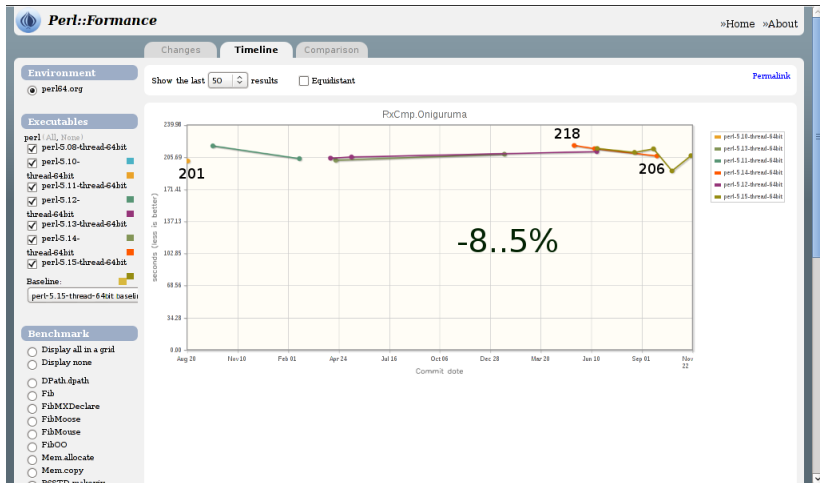
# RxCmp.native



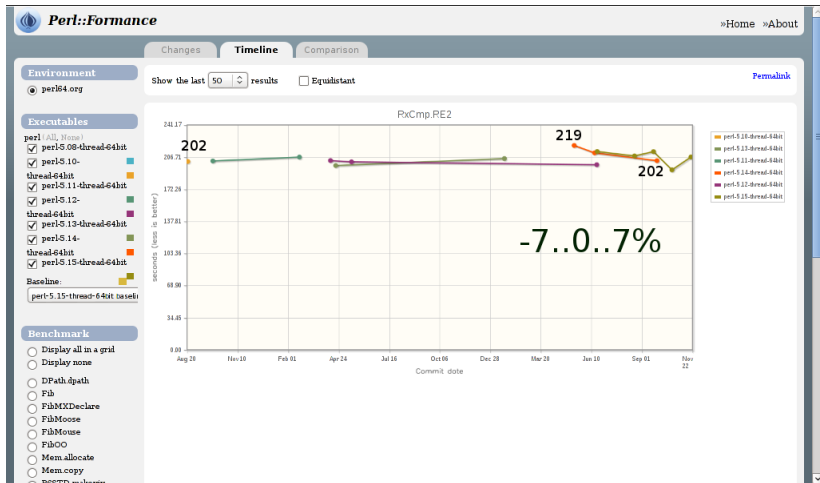
# RxCmp.Lua



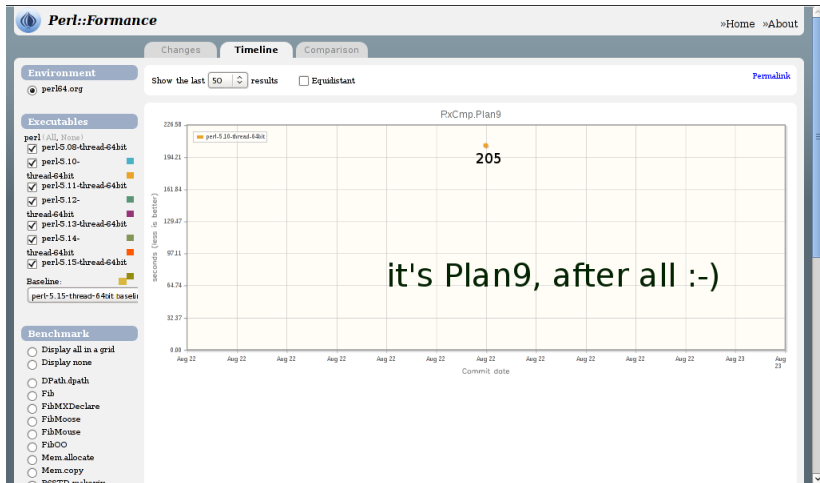
# RxCmp.Oniguruma



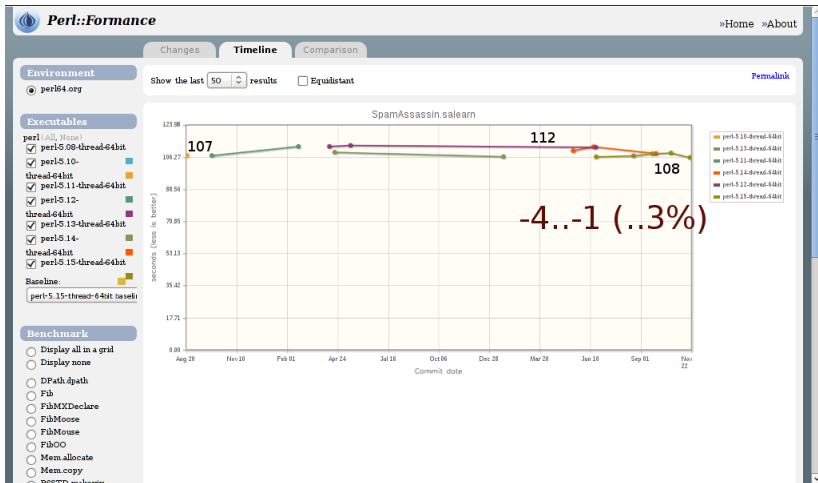
## RxCmp.RE2



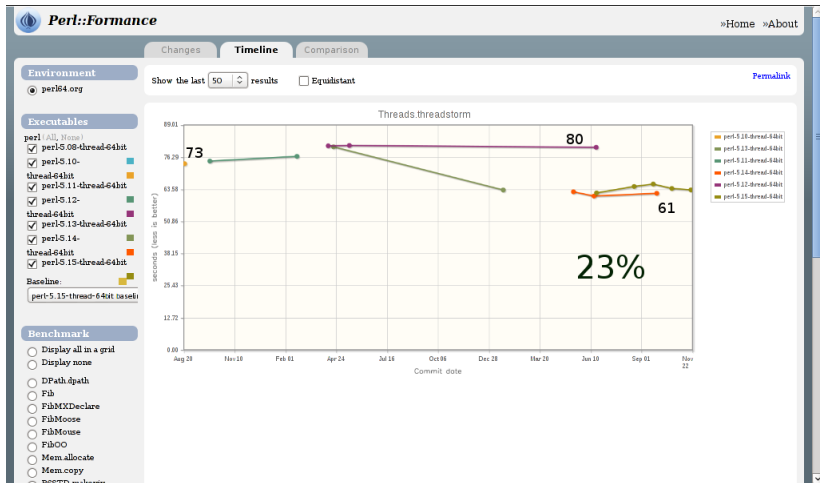
# RxCmp.Plan9



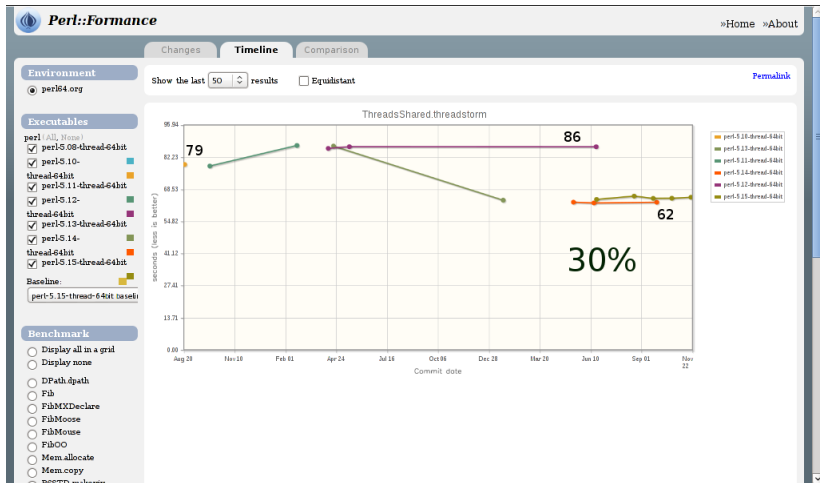
# SpamAssassin.salearn



# Threads.threadstorm



# ThreadsShared.threadstorm





## More numbers at

- <http://performance.net>

# Summary

- 5.12 was slow
- 5.14 became faster
- 5.16 kept flat
- Micro improvements don't help macro workloads yet
  - SpamAssassin
- Do more variation for deeper understanding
  - non-threaded
- <http://performance.net>

# End

