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Perl::Formance

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10 Years Dresden Perl Mongers

21 August 2012

Intro

Results

Summary

End

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• "We suck at benchmarketing."



• There is hope.





• Numbers become better.





• First conclusions now.





• 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 (?)



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- 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



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

Summary

Language Shootout

\bullet Shootout benchmarks 1% .. 15% faster in 5.14

• vs. 5.12

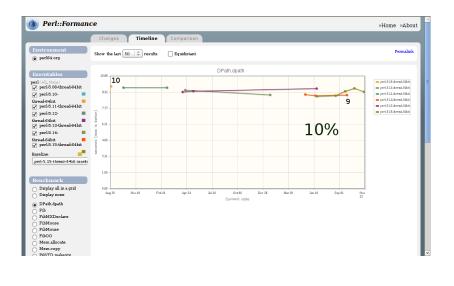
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• Show real graphs!

DPath.dpath



Fib



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FibOO

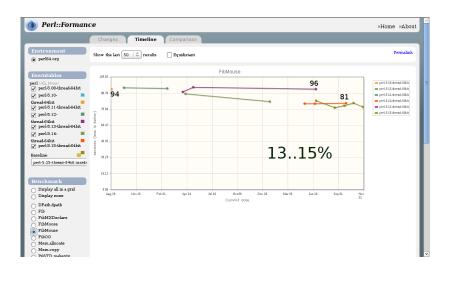


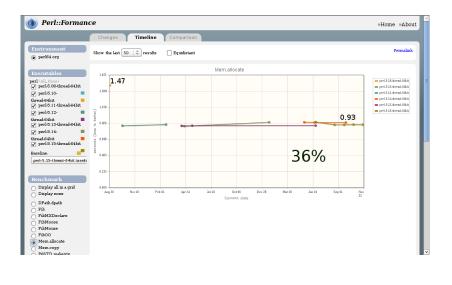
FibMoose



End

FibMouse





Mem.copy

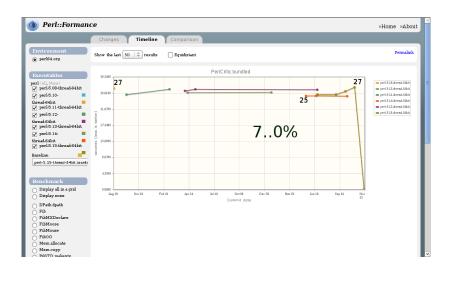


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P6STD.viv

	Perl::Formance		
	Changes Timeline Comparison		
Environment perl64.org	Show the last 50 \diamond results \Box Equidistant	Permalink	
Executables	P6STD.viv		
perl (All, None) perl-5.08-thread-64bit	50 59	🗰 peri-5.18-thread-64bit 🗰 peri-5.12-thread-64bit	
✓ perl-5.10- thread-64bit ✓ perl-5.11-thread-64bit	391.75	 perl-5.11-thread-64bit perl-5.14-thread-64bit perl-5.12-thread-64bit 	
✓ perl-5.12- thread-64bit ✓ perl-5.13-thread-64bit	u 30457	perl-515-thread-64bit	
✓ perl-5.14- thread-64bit ✓ perl-5.15-thread-64bit	2 21.49		
Baseline:	152284		
Benchmark	710		
O Display all in a grid Display none	103) Aug 26 Nov.10 Feb 81 Ajr 24 Juli 6 Oct 16 Dr. 28 Her 20 Jan 10 Sep 81 Nov. 22 Commit date		
DPath dpath Fib FibMXDeclare FibMouse FibMouse FibOO	Connica Quer		
Mem.allocate Mem.copy PESTD makeviv			

PerlCritic

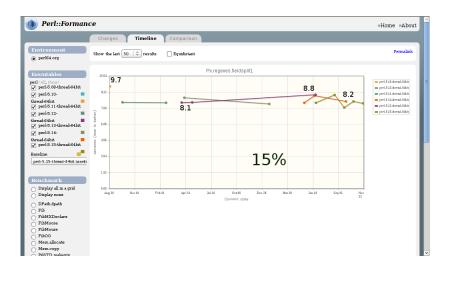


RegexpCommonTS



End

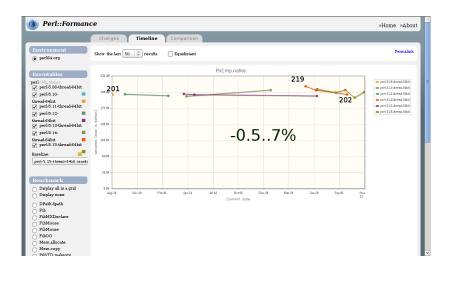
Rx regexes fieldsplit1



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RxCmp native



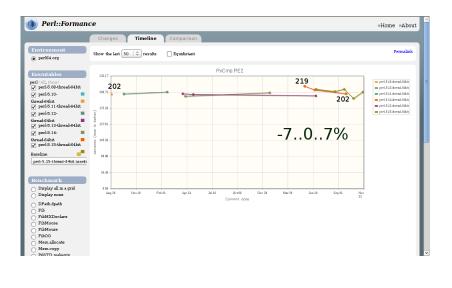
RxCmp.Lua



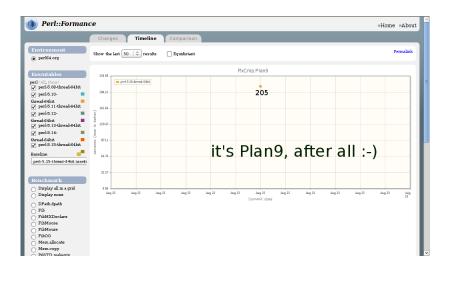
RxCmp.Oniguruma



RxCmp.RE2



RxCmp.Plan9



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SpamAssassin salearn



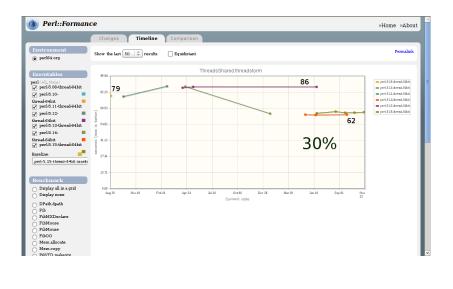
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Threads.threadstorm



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Threads Shared.threads torm



Summary

More numbers at

• http://perlformance.net

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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://perlformance.net



Summary

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