

Ruby - Feature #17498

Improve performance some Float methods

01/01/2021 06:22 AM - S_H_ (Shun Hiraoka)

Status:	Closed																																	
Priority:	Normal																																	
Assignee:																																		
Target version:																																		
Description																																		
Improve performance some Float methods(write in Ruby)																																		
benchmark:																																		
<pre>prelude: flo = 4.2 benchmark: to_f: flo.to_f abs: flo.abs magnitude: flo.magnitude -@: -flo zero?: flo.zero? loop_count: 20000000</pre>																																		
result:																																		
<pre>sh@DESKTOP-L0NI312:~/rubydev/build\$ make benchmark/float_methods.yml -e BENCH_RUBY= ../install/bin/ruby -e COMPARE_RUBY=~/.rbenv/shims/ruby # Iteration per second (i/s)</pre> <table><tr><th></th><th>compare-ruby</th><th>built-ruby</th></tr><tr><td>to_f</td><td>60.880M</td><td>81.272M</td></tr><tr><td></td><td>-</td><td>1.33x</td></tr><tr><td>abs</td><td>68.162M</td><td>81.264M</td></tr><tr><td></td><td>-</td><td>1.19x</td></tr><tr><td>magnitude</td><td>53.441M</td><td>78.829M</td></tr><tr><td></td><td>-</td><td>1.48x</td></tr><tr><td>-@</td><td>67.193M</td><td>84.731M</td></tr><tr><td></td><td>-</td><td>1.26x</td></tr><tr><td>zero?</td><td>69.894M</td><td>82.032M</td></tr><tr><td></td><td>-</td><td>1.17x</td></tr></table>			compare-ruby	built-ruby	to_f	60.880M	81.272M		-	1.33x	abs	68.162M	81.264M		-	1.19x	magnitude	53.441M	78.829M		-	1.48x	-@	67.193M	84.731M		-	1.26x	zero?	69.894M	82.032M		-	1.17x
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COMPARE_RUBY is ruby 3.1.0dev (2020-12-31T22:55:59Z master 3d7f71801a) [x86_64-linux]. BENCH_RUBY is ahead of ruby 3.1.0dev (2020-12-31T22:55:59Z master 3d7f71801a) [x86_64-linux].																																		
pull requests:																																		
https://github.com/ruby/ruby/pull/4018																																		

Associated revisions

Revision daec5f9edcfb98b10a4bfc1aa501c9ac2c64841 - 01/02/2021 02:39 AM - S_H_ (Shun Hiraoka)

Improve performance some Float methods [Feature #17498] (#4018)

Revision daec5f9edcfb98b10a4bfc1aa501c9ac2c64841 - 01/02/2021 02:39 AM - S_H_ (Shun Hiraoka)

Improve performance some Float methods [Feature #17498] (#4018)

Revision daec5f9e - 01/02/2021 02:39 AM - S_H_ (Shun Hiraoka)

Improve performance some Float methods [Feature #17498] (#4018)

History

#1 - 01/01/2021 06:24 AM - S_H_ (Shun Hiraoka)

- *Description updated*

#2 - 01/02/2021 02:39 AM - S_H_ (Shun Hiraoka)

- *Status changed from Open to Closed*

Applied in changeset [git|daec5f9edcfb98b10a4bfc1aa501c9ac2c64841](https://git.daec5f9edcfb98b10a4bfc1aa501c9ac2c64841).

Improve performance some Float methods [Feature [#17498](#)] (#4018)