

Ruby - Bug #5178

Complex#rationalize should rationalize

08/10/2011 10:39 AM - marcandre (Marc-Andre Lafortune)

<div>Status:Closed</div> <div>Priority:Normal</div> <div>Assignee:</div> <div>Target version:</div> <div>ruby -v:r32354</div>	<div>Backport:</div>
<div>Description</div> <div>Complex#rationalize currently calls to_r on the real part instead of rationalize:</div> <div>f = 1/3.0 c = Complex(f) c.to_r == f.to_r # => true c.rationalize == f.rationalize # => false</div> <div>Should I not commit this to 1.9.3 too?</div> <div>diff --git a/complex.c b/complex.c index 78f0902..1b76074 100644 --- a/complex.c +++ b/complex.c @@ -1335,7 +1335,8 @@ nucomp_to_f(VALUE self) • call-seq: • cmp.to_r -> rational ◦ Returns the value as a rational if possible. ◦ If the imaginary part is exactly 0, returns the real part as a Rational, ◦ otherwise a RangeError is raised. */ static VALUE nucomp_to_r(VALUE self) @@ -1354,14 +1355,22 @@ nucomp_to_r(VALUE self) • call-seq: • cmp.rationalize([eps]) -> rational ◦ Returns the value as a rational if possible. An optional argument ◦ eps is always ignored. ◦ If the imaginary part is exactly 0, returns the real part as a Rational, ◦ otherwise a RangeError is raised. */ static VALUE nucomp_rationalize(int argc, VALUE *argv, VALUE self) { • get_dat1(self); • rb_scan_args(argc, argv, "01", NULL); • return nucomp_to_r(self); • if (k_inexact_p(dat->imag) f_nonzero_p(dat->imag)) { • <div></div></div>	

- [REDACTED]
- [REDACTED]
- }
- return rb_funcall(dat->real, rb_intern("rationalize"), argc, argv);
- }

Associated revisions

Revision 2e2fab4 - 08/10/2011 10:35 AM - Kenta Murata

- complex.c (nucomp_rationalize): calls rationalize of real part if imaginary part is exactly zero. The patch is made by Marc-Andre Lafortune. fixes [Bug #5178] [ruby-core:38885]
- test/ruby/test_complex.rb (test_rationalize): add a test for the above change.
- complex.c (nucomp_to_r): fix RDoc comment. The patch is made by Marc-Andre Lafortune.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@32903 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision d72d87cd - 08/10/2011 10:40 AM - Kenta Murata

Merge the commit r32903:

- * complex.c (nucomp_rationalize): calls rationalize of real part if imaginary part is exactly zero. The patch is made by Marc-Andre Lafortune. fixes [Bug #5178] [ruby-core:38885]
- * test/ruby/test_complex.rb (test_rationalize): add a test for the above change.
- * complex.c (nucomp_to_r): fix RDoc comment. The patch is made by Marc-Andre Lafortune.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@32904 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 08/10/2011 07:35 PM - mrkn (Kenta Murata)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r32903.
Marc-Andre, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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