

Ruby master - Bug #5020

Rational cannot coerce into Complex with imag.

07/12/2011 05:49 PM - usa (Usaku NAKAMURA)

Status: Closed	
Priority: Normal	
Assignee: mrkn (Kenta Murata)	
Target version: 1.9.3	
ruby -v: ruby 1.9.4dev (2011-07-11 trunk 32518) [x64-mswin64_100]	Backport:

Description

Complex#coerce TypeError

Rational(1,2).coerce(Complex(1,1)) #=> TypeError

Rational

Rational(1,2).coerce(Complex(1,0)) #=> [(1/1), (1/2)]

Complex#coerce Complex

Complex(1,0).coerce(Rational(1,2)) #=> [(1/2)+0i, (1+0i)]

Complex(1,1).coerce(Rational(1,2)) #=> [(1/2)+0i, (1+1i)]

Rational#coerce(aComplex) aComplex Rational TypeError

Index: rational.c

--- rational.c (revision 32520)

+++ rational.c (working copy)

@@ -1108,6 +1108,8 @@ nurat_coerce(VALUE self, VALUE other)

if (k_exact_zero_p(RCOMPLEX(other)->imag))

return rb_assoc_new(f_rational_new_bang1

(CLASS_OF(self), RCOMPLEX(other)->real), self);

- else

- 

}

rb_raise(rb_eTypeError, "%s can't be coerced into %s",

Associated revisions

Revision b30d203f - 08/17/2011 01:24 AM - mrkn (Kenta Murata)

- rational.c (nurat_coerce): Rational#coerce should converts itself into Complex if the argument is a Complex with non-zero imaginary part. [Bug #5020] [ruby-dev:44088]
- test/ruby/test_rational.rb (test_coerce): test for the above change.

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@32994 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

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Revision 559b7175 - 08/17/2011 01:32 AM - mrkn (Kenta Murata)

Merge commit r32994 from trunk:

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git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/branches/ruby_1_9_3@32995 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 07/21/2011 02:12 PM - kosaki (Motohiro KOSAKI)

- Status changed from Open to Assigned
- Assignee set to mrkn (Kenta Murata)

Regression

#2 - 08/17/2011 10:24 AM - mrkn (Kenta Murata)

- Status changed from Assigned to Closed
- % Done changed from 0 to 100

This issue was solved with changeset r32994.
Usaku, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

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