Hi, this is more of a question than a bug, feature or whatever, but I wonder why Complex#~ has been removed?

I can read in complex.c:
#if 0
rb_define_method(rb_cComplex, "~", nucomp_conj, 0); /* gcc */
#endif

gcc would have problems with it? why?

Fixnum#~ and Bignum#~ are not commented and work right.

Maybe the method should be added at a higher level, if possible, if it is a compiler issue?

B.D.

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The above definition of Complex#~ returns conjugate complex, while Fixnum#~ and Bignum#~ are bit inversion operators.
I don't know a suitable definition of bit inversion against Complex.

But I also wonder what the comment /* gcc */ means.

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Yusuke ENDOH mame@tsg.ne.jp

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Sure, I just wanted to show #~ is running for other objects.
B.D.

=begin

#3 - 04/18/2010 02:54 AM - Eregon (Benoit Daloze)
=begin
I tried to compile removing the #if 0 and it works:
irb for ruby-1.9.2-r26319

    c = 2+3.i
    => (2+3i)
    ~c
    => (2-3i)

So it is not a problem on OSX 10.6.3
Can someone test on linux and windows? Then I think we could safely enable this method.
=end

#4 - 04/19/2010 12:47 PM - mame (Yusuke Endoh)
=begin
- Category changed from ext to core
- Assignee set to matz (Yukihiro Matsumoto)
- Target version changed from 1.9.2 to 2.0.0

=begin
Hi,

I forgot to change the target of this ticket to 1.9.x. I'm sorry if I gave you false hope.

Can someone test on linux and windows? Then I think we could safely enable this method.

This is not implementation problem, but consistency problem.

Fixnum#~ and Bignum#~ do bit inversion. I guess some people expects Complex#~ to do the same. They may think it as a bug if Complex#~ returns conjugate complex.

But I'm not against for your suggestion. I pass the ball to matz.

--
Yusuke Endoh mame@tsg.ne.jp
=end

#5 - 04/20/2010 07:34 PM - tadf (tadayoshi funaba)
=begin
i wrote it.
gcc has the feature.
i disabled it for the time being.
i'm not sure whether we should assign it.
we have much time.
=end

#6 - 09/14/2010 04:04 PM - shyouhei (Shyouhei Urabe)
- Status changed from Open to Assigned
=begin
=.end

#7 - 10/27/2012 11:24 PM - yhara (Yutaka HARA)
- Description updated
I see, it's from https://gcc.gnu.org/onlinedocs/gcc/Complex.html. As said before, this is potentially confusing so the current behavior of not defining it seems best.