

## Ruby trunk - Bug #6267

### Segmentation fault when exponentiating complex number

04/07/2012 08:15 AM - pabloh (Pablo Herrero)

<b>Status:</b> Closed	
<b>Priority:</b> Normal	
<b>Assignee:</b>	
<b>Target version:</b>	
<b>ruby -v:</b> ruby 1.9.3p125 (2012-02-16 revision 34643) [i686-linux]	<b>Backport:</b>
<b>Description</b> A segfault is raised when running the following script, with any exponent greater or equal to 5:  require "mathn/complex" Complex(0,1)**5  It only seems to happen when exponentiating pure imaginary numbers and if 'mathn/complex' is loaded, otherwise it works just fine.	

#### Associated revisions

##### Revision 71d11429 - 04/08/2012 05:53 PM - naruse (Yui NARUSE)

- complex.c (nucomp\_expt): the result of f\_complex\_new2 may be a fixnum with mathn. [ruby-core:44170] [Bug #6267]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@35262 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

##### Revision 35262 - 04/08/2012 05:53 PM - naruse (Yui NARUSE)

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#### History

##### #1 - 04/09/2012 02:53 AM - naruse (Yui NARUSE)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset [r35262](#).

Pablo, thank you for reporting this issue.

Your contribution to Ruby is greatly appreciated.

May Ruby be with you.

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- `complex.c` (`nucomp_expt`): the result of `f_complex_new2` may be a fixnum with `mathn`. [ruby-core:44170] [Bug [#6267](#)]

**#2 - 04/09/2012 06:55 AM - tadf (tadayoshi funaba)**

- Status changed from Closed to Open

the following still does

```
Complex(0,1)**2
```

**#3 - 04/09/2012 07:05 PM - naruse (Yui NARUSE)**

- Status changed from Open to Closed

tadf fixed it at [r35265](#).

**Files**

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<code>segfaul.backtrace</code>	7.49 KB	04/07/2012	pabloh (Pablo Herrero)
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