

Ruby - Bug #6100

Unexpected value of Time#iso8601 with floating point argument.

02/28/2012 04:16 PM - phasis68 (Heesob Park)

Status:	Closed	Backport:
Priority:	Normal	
Assignee:		
Target version:		
ruby -v:	ruby 2.0.0dev (2012-02-21 trunk 34712) [i386-mswin32_100]	
Description		
I found Time#iso8601 returns unexpected value in case of floating point argument.		
<pre>C:>irb irb(main):001:0> require 'time' => true irb(main):002:0> a = Time.now => 2012-02-28 16:12:18 +0900 irb(main):003:0> a.iso8601(10) => "2012-02-28T16:12:18.3203750000+09:00" irb(main):004:0> a.iso8601(1) => "2012-02-28T16:12:18.3+09:00" irb(main):005:0> a.iso8601(1.5) => "2012-02-28T16:12:18.10+09:00" irb(main):006:0> a.iso8601(1.6) => "2012-02-28T16:12:18.12+09:00" irb(main):007:0> a.iso8601(1.7) => "2012-02-28T16:12:18.16+09:00" irb(main):008:0> a.iso8601(1.8) => "2012-02-28T16:12:18.20+09:00" irb(main):009:0> a.iso8601(2) => "2012-02-28T16:12:18.32+09:00" irb(main):010:0> a.iso8601(2.1) => "2012-02-28T16:12:18.40+09:00"</pre>		
By the way, In ruby 1.8.7, it works as expected.		
<pre>\$ irb irb(main):001:0> require 'time' => true irb(main):002:0> a = Time.now => Tue Feb 28 16:14:07 +0900 2012 irb(main):003:0> a.iso8601(10) => "2012-02-28T16:14:07.3405450000+09:00" irb(main):004:0> a.iso8601(1) => "2012-02-28T16:14:07.3+09:00" irb(main):005:0> a.iso8601(1.1) => "2012-02-28T16:14:07.3+09:00" irb(main):006:0> a.iso8601(1.5) => "2012-02-28T16:14:07.3+09:00" irb(main):007:0> a.iso8601(1.9) => "2012-02-28T16:14:07.3+09:00" irb(main):008:0> a.iso8601(2) => "2012-02-28T16:14:07.34+09:00" irb(main):010:0> a.iso8601(2.1) => "2012-02-28T16:14:07.34+09:00"</pre>		

Associated revisions

Revision 007b7fcdcf709cbffb2ee2c6c01f9edf4daaccac - 02/28/2012 08:16 AM - nobu (Nobuyoshi Nakada)

- lib/time.rb (Time#xmlschema): use strftime specifiers instead of

fractional exponential calculation which yields undesirable
result. [ruby-core:42997][Bug #6100]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34845 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

Revision 007b7fcd - 02/28/2012 08:16 AM - nobu (Nobuyoshi Nakada)

- lib/time.rb (Time#xmlschema): use strptime specifiers instead of fractional exponential calculation which yields undesirable result. [ruby-core:42997][Bug #6100]

git-svn-id: svn+ssh://ci.ruby-lang.org/ruby/trunk@34845 b2dd03c8-39d4-4d8f-98ff-823fe69b080e

History

#1 - 02/28/2012 05:16 PM - nobu (Nobuyoshi Nakada)

- Status changed from Open to Closed

- % Done changed from 0 to 100

This issue was solved with changeset r34845.
Heesob, thank you for reporting this issue.
Your contribution to Ruby is greatly appreciated.
May Ruby be with you.

- lib/time.rb (Time#xmlschema): use strptime specifiers instead of fractional exponential calculation which yields undesirable result. [\[ruby-core:42997\]](#)[\[Bug #6100\]](#)