

Ruby master - Bug #12718

BigDecimal() should raise on invalid input, consistent with Integer() and Float()

09/01/2016 02:58 PM - jrochkind (jonathan rochkind)

Status: Closed	
Priority: Normal	
Assignee: mrkn (Kenta Murata)	
Target version:	
ruby -v: ruby 2.3.1p112 (2016-04-26 revision 54768) [x86_64-darwin15]	Backport: 2.1: UNKNOWN, 2.2: UNKNOWN, 2.3: UNKNOWN
Description <pre>Integer("2") # => 2 Integer("invalid") # raises ArgumentError: invalid value for Integer() Float("2.0") # => 2.0 Float("invalid") # raises ArgumentError: invalid value for Float()</pre> <p>BUT</p> <pre>BigDecimal("2.2") # => #<BigDecimal:7fb9ab1a9d40,'0.22E1',18(18)> BigDecimal("invalid") # => #<BigDecimal:7fb9ab1b28c8,'0.0',9(9)></pre> <p>I think BigDecimal("invalid") should raise rather than returning a BigDecimal representing 0, to be consistent with Integer() and Float(), and to give you access to a string conversion that raises, which I don't think exists in stdlib at present.</p> <p>If you want conversion of a string to a BigDecimal that returns 0 rather than raising on bad input, you have String#to_d in bigdecimal/util. That's consistent with String#to_f and #to_i as well. But there is currently no way to do a conversion that raises, BigDecimal() is inconsistent with Float() and Integer()</p>	
Related issues: Is duplicate of Ruby master - Bug #10286: BigDecimal - inconsistency with oth... Closed	

History

#1 - 09/01/2016 02:59 PM - jrochkind (jonathan rochkind)

Oops it ate my bigdecimal output

```
BigDecimal("2.2") # => BigDecimal '0.22E1',18(18)
BigDecimal("invalid") # => BigDecimal '0.0',9(9)
```

#2 - 09/04/2016 02:35 AM - nobu (Nobuyoshi Nakada)

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

#3 - 11/04/2016 06:11 AM - mrkn (Kenta Murata)

- Is duplicate of Bug #10286: BigDecimal - inconsistency with other numeric classes added

#4 - 11/04/2016 06:18 AM - mrkn (Kenta Murata)

- Status changed from Assigned to Closed

Close this because it duplicates [#10286](#)