

## Issues

| #    | Project | Tracker | Status | Subject                                                             | Assignee                         | Updated             |
|------|---------|---------|--------|---------------------------------------------------------------------|----------------------------------|---------------------|
| 1165 | Ruby    | Bug     | Closed | Range.eql? and Range.== bug with subclasses                         | yugui (Yuki Sonoda)              | 04/30/2011 10:03 PM |
| 1385 | Ruby    | Bug     | Closed | Wonderful undocumented feature in Ruby 1.8.7 & 1.9                  | yugui (Yuki Sonoda)              | 04/30/2011 10:03 PM |
| 1439 | Ruby    | Bug     | Closed | Array#sample returns wrong results for negative argument            |                                  | 04/30/2011 10:03 PM |
| 1440 | Ruby    | Bug     | Closed | Array#flatten!(0) should return nil, not self                       |                                  | 04/30/2011 10:03 PM |
| 1448 | Ruby    | Bug     | Closed | [patch] Proper handling of recursive arrays                         |                                  | 04/30/2011 10:03 PM |
| 1487 | Ruby    | Bug     | Closed | String#each_char must return self                                   |                                  | 04/30/2011 10:03 PM |
| 1510 | Ruby    | Bug     | Closed | [patch] String#partition can return wrong result or crash           |                                  | 04/30/2011 10:03 PM |
| 1531 | Ruby    | Bug     | Closed | Matrix#determinant fails on some matrices                           | keiju (Keiju Ishitsuka)          | 04/30/2011 10:03 PM |
| 1532 | Ruby    | Bug     | Closed | Improved matrix.rb [patch]                                          | keiju (Keiju Ishitsuka)          | 04/30/2011 10:03 PM |
| 1554 | Ruby    | Bug     | Closed | Enumerator#first & #take should consume only what is needed [patch] |                                  | 04/30/2011 10:03 PM |
| 1663 | Ruby    | Bug     | Closed | Small documentation fixes [patch]                                   |                                  | 04/30/2011 10:03 PM |
| 1664 | Ruby    | Bug     | Closed | Kernel#define_singleton_method not documented [patch]               |                                  | 04/30/2011 10:03 PM |
| 1665 | Ruby    | Bug     | Closed | Enumerable#reverse_each, #entries, #to_a documentation [patch]      | yugui (Yuki Sonoda)              | 04/30/2011 10:03 PM |
| 1666 | Ruby    | Bug     | Closed | Confusion in documentation for lines vs each_line, etc...           | yugui (Yuki Sonoda)              | 04/30/2011 10:03 PM |
| 1686 | Ruby    | Bug     | Closed | Enumerable#first broken                                             |                                  | 04/30/2011 10:03 PM |
| 1697 | Ruby    | Feature | Closed | Object#<=>                                                          | matz (Yukihiro Matsumoto)        | 04/30/2011 10:03 PM |
| 1885 | Ruby    | Bug     | Closed | Proper comparison of recursive Struct & Range                       |                                  | 04/30/2011 10:03 PM |
| 2140 | Ruby    | Bug     | Closed | Bignum*** broken by lib/mathn                                       | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:03 PM |
| 2173 | Ruby    | Bug     | Closed | rake missing rake/contrib/*                                         |                                  | 04/30/2011 10:03 PM |
| 2189 | Ruby    | Bug     | Closed | Math.atanh(1) & Math.atanh(-1) should not raise an error            | matz (Yukihiro Matsumoto)        | 04/30/2011 10:03 PM |
| 2199 | Ruby    | Bug     | Closed | Object#method should call respond_to_missing?(sym, true)            | matz (Yukihiro Matsumoto)        | 04/30/2011 10:03 PM |
| 2206 | Ruby    | Bug     | Closed | lib/delegate: inconsistency between respond_to? and send            |                                  | 04/30/2011 10:03 PM |
| 2207 | Ruby    | Bug     | Closed | lib/delegate: #method doesn't delegate to its object                |                                  | 04/30/2011 10:03 PM |
| 2221 | Ruby    | Bug     | Closed | lib/delegate: freeze has odd effects                                |                                  | 04/30/2011 10:03 PM |
| 2222 | Ruby    | Bug     | Closed | Regex creation error in safe mode                                   | ko1 (Koichi Sasada)              | 04/30/2011 10:03 PM |
| 2223 | Ruby    | Bug     | Closed | lib/delegate: security model?                                       | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:03 PM |
| 2224 | Ruby    | Bug     | Closed | lib/delegate: operator delegation                                   | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:03 PM |
| 2265 | Ruby    | Feature | Closed | Matrix#empty? [patch]                                               | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:03 PM |
| 2266 | Ruby    | Feature | Closed | Matrix and Complex [patch]                                          | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:03 PM |
| 2276 | Ruby    | Bug     | Closed | Array#<=> should not raise when comparison fails                    |                                  | 04/30/2011 10:03 PM |
| 2311 | Ruby    | Bug     | Closed | [BUG] cfp consistency error - send                                  | matz (Yukihiro Matsumoto)        | 04/30/2011 10:03 PM |

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|------|---------|---------|----------|----------------------------------------------------------------------------|----------------------------------|---------------------|
| 2330 | Ruby    | Bug     | Closed   | Non systematic segmentation fault with autoload rubyspec                   | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:03 PM |
| 2365 | Ruby    | Bug     | Closed   | Matrix: poor handling of coercion errors [patch]                           | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:03 PM |
| 2451 | Ruby    | Feature | Closed   | BasicObject.initialize with variable number of argument                    | matz (Yukihiro Matsumoto)        | 04/30/2011 10:03 PM |
| 2495 | Ruby    | Bug     | Closed   | Matrix: Vector#each2 should check its argument                             | keiju (Keiju Ishitsuka)          | 04/30/2011 10:03 PM |
| 2496 | Ruby    | Bug     | Closed   | Delegate: #methods and #public_methods should return delegated methods too | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:03 PM |
| 2497 | Ruby    | Bug     | Closed   | Matrix: Vector#each2 with no block returns unusable enumerator             |                                  | 04/30/2011 10:03 PM |
| 2499 | Ruby    | Bug     | Closed   | InstructionSequence.dissassemble can crash                                 | ko1 (Koichi Sasada)              | 04/30/2011 10:03 PM |
| 2525 | Ruby    | Bug     | Closed   | URI#normalize incomplete                                                   | akira (akira yamada)             | 04/30/2011 10:03 PM |
| 2601 | Ruby    | Bug     | Closed   | BasicObject.initialize should raise an error                               |                                  | 04/30/2011 10:03 PM |
| 2770 | Ruby    | Bug     | Closed   | Matrix: determinant for rectangular matrices should raise an error [patch] | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 2771 | Ruby    | Feature | Closed   | Matrix: constructor to build with block                                    | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 2772 | Ruby    | Feature | Closed   | Matrix: Calculating determinant using Bareiss algorithm [patch]            | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 2829 | Ruby    | Bug     | Closed   | Missing documentation for Exception subclasses.                            | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 2830 | Ruby    | Bug     | Closed   | Some methods raise ArgumentError instead of TypeError                      | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 2831 | Ruby    | Feature | Closed   | Matrix: each, all?, none?, each_with_index, ....                           | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 3016 | Ruby    | Bug     | Rejected | Enumerable#slice_before and dup                                            |                                  | 04/30/2011 10:04 PM |
| 3021 | Ruby    | Feature | Closed   | Array#product should accept a block.                                       | matz (Yukihiro Matsumoto)        | 04/30/2011 10:04 PM |
| 3023 | Ruby    | Feature | Closed   | RDoc urls                                                                  | drbrain (Eric Hodel)             | 04/30/2011 10:04 PM |
| 3027 | Ruby    | Bug     | Closed   | Random#rand(nil)                                                           | nobu (Nobuyoshi Nakada)          | 04/30/2011 10:04 PM |
| 3081 | Ruby    | Bug     | Closed   | lib/http wrong behavior for chunked reading                                |                                  | 04/30/2011 10:04 PM |
| 3089 | Ruby    | Bug     | Closed   | limited size for Array#combination [patch]                                 | matz (Yukihiro Matsumoto)        | 04/30/2011 10:04 PM |
| 3104 | Ruby    | Bug     | Closed   | Random: seeding issues                                                     | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 3169 | Ruby    | Bug     | Closed   | RDoc crossref confused by instance and class methods having same name      | drbrain (Eric Hodel)             | 04/30/2011 10:04 PM |
| 3192 | Ruby    | Bug     | Closed   | Missing Set#keep_if, select! [patch]                                       | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 3224 | Ruby    | Bug     | Closed   | Regexp.new("...", nil, "n") is not documented                              | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 3225 | Ruby    | Bug     | Closed   | lib/uri/mailto.rb slightly wrong regexp                                    | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 3350 | Ruby    | Bug     | Closed   | Protected methods & documentation                                          | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 3352 | Ruby    | Bug     | Rejected | Delegates: protected methods                                               | marcandre (Marc-Andre Lafortune) | 04/30/2011 10:04 PM |
| 3448 | Ruby    | Bug     | Rejected | broken iconv library                                                       |                                  | 06/28/2011 06:53 PM |
| 5070 | Ruby    | Bug     | Closed   | CSV.generate should not modify the given option hash                       | JEG2 (James Gray)                | 07/22/2011 06:41 AM |
| 5178 | Ruby    | Bug     | Closed   | Complex#rationalize should rationalize                                     |                                  | 08/10/2011 07:35 PM |
| 5228 | Ruby    | Bug     | Closed   | Integer#round fails on some big negative numbers                           | marcandre (Marc-Andre Lafortune) | 08/25/2011 08:05 AM |
| 5227 | Ruby    | Bug     | Closed   | Float#round fails on corner cases                                          | marcandre (Marc-Andre Lafortune) | 09/05/2011 03:53 AM |

| #    | Project | Tracker | Status   | Subject                                                            | Assignee                         | Updated             |
|------|---------|---------|----------|--------------------------------------------------------------------|----------------------------------|---------------------|
| 5307 | Ruby    | Bug     | Closed   | Matrix & subclasses                                                | marcandre (Marc-Andre Lafortune) | 09/11/2011 05:24 AM |
| 6028 | Ruby    | Bug     | Closed   | OpenStruct.dup doesn't have all its methods                        | marcandre (Marc-Andre Lafortune) | 02/15/2012 12:31 PM |
| 6048 | Ruby    | Bug     | Closed   | {Unbound}Method#hash doesn't always return the right value         | marcandre (Marc-Andre Lafortune) | 02/21/2012 04:08 PM |
| 5782 | Ruby    | Bug     | Closed   | File.binwrite doc and hash argument                                | sorah (Sorah Fukumori)           | 03/11/2012 03:49 PM |
| 6085 | Ruby    | Bug     | Closed   | Treatment of Wrong Number of Arguments                             | mame (Yusuke Endoh)              | 03/15/2012 06:16 AM |
| 3715 | Ruby    | Feature | Rejected | Enumerator#size and #size=                                         |                                  | 03/18/2012 06:07 PM |
| 6276 | Ruby    | Feature | Closed   | to_h as explicit conversion to Hash                                | marcandre (Marc-Andre Lafortune) | 04/18/2012 12:59 PM |
| 6538 | Ruby    | Bug     | Rejected | Mutability of Rational and Complex                                 | tadf (tadayoshi funaba)          | 06/04/2012 10:24 PM |
| 6658 | Ruby    | Bug     | Closed   | Module#ancestors & prepend                                         |                                  | 06/28/2012 06:12 AM |
| 6086 | Ruby    | Bug     | Rejected | Number of arguments and named parameters                           | matz (Yukihiro Matsumoto)        | 07/14/2012 04:24 PM |
| 5694 | Ruby    | Bug     | Closed   | Proc#arity doesn't take optional arguments into account.           | nobu (Nobuyoshi Nakada)          | 07/17/2012 04:47 PM |
| 2347 | Ruby    | Feature | Closed   | Math::INFINITY                                                     | matz (Yukihiro Matsumoto)        | 07/24/2012 08:53 PM |
| 3222 | Ruby    | Feature | Closed   | Can bignums have singleton class & methods?                        | ko1 (Koichi Sasada)              | 10/28/2012 09:03 AM |
| 6029 | Ruby    | Bug     | Closed   | Should OpenStruct implement #eq!? and #hash?                       | marcandre (Marc-Andre Lafortune) | 10/29/2012 06:19 AM |
| 6636 | Ruby    | Feature | Closed   | Enumerable#size                                                    | marcandre (Marc-Andre Lafortune) | 11/07/2012 02:09 AM |
| 2832 | Ruby    | Feature | Closed   | Vector#each and Enumerable                                         | marcandre (Marc-Andre Lafortune) | 11/24/2012 12:06 PM |
| 7299 | Ruby    | Feature | Rejected | Ruby should not completely ignore blocks.                          |                                  | 11/25/2012 02:03 AM |
| 3022 | Ruby    | Bug     | Closed   | What are \$. and ARGF.lineno ?                                     | drbrain (Eric Hodel)             | 11/28/2012 08:57 AM |
| 7692 | Ruby    | Bug     | Closed   | Enumerator::Lazy#drop_while and take_while should require a block. | marcandre (Marc-Andre Lafortune) | 01/14/2013 04:42 PM |
| 7690 | Ruby    | Bug     | Closed   | Enumerable::Lazy#flat_map should not call each                     | shugo (Shugo Maeda)              | 01/14/2013 05:36 PM |
| 7691 | Ruby    | Bug     | Closed   | 3 bugs with Lazy enumerators with state                            |                                  | 01/24/2013 03:23 PM |
| 7706 | Ruby    | Bug     | Closed   | Lazy#zip should not call `lazy`                                    | marcandre (Marc-Andre Lafortune) | 01/24/2013 04:05 PM |
| 5746 | Ruby    | Bug     | Closed   | Proc#curry too strict about lambda's arity.                        | marcandre (Marc-Andre Lafortune) | 01/25/2013 02:53 PM |
| 7724 | Ruby    | Bug     | Closed   | 6 bugs with Range#bsearch over floats                              | marcandre (Marc-Andre Lafortune) | 01/30/2013 07:00 AM |
| 7728 | Ruby    | Bug     | Closed   | Range#bsearch on other Numerics?                                   | marcandre (Marc-Andre Lafortune) | 01/30/2013 02:48 PM |
| 7726 | Ruby    | Bug     | Closed   | bsearch should handle block result in a consistent way             | marcandre (Marc-Andre Lafortune) | 01/30/2013 03:02 PM |
| 7725 | Ruby    | Bug     | Closed   | bsearch should return enumerator when called without a block       | marcandre (Marc-Andre Lafortune) | 01/30/2013 03:04 PM |
| 7757 | Ruby    | Bug     | Closed   | String#start_with? and end_with? should accept Regexp              |                                  | 01/31/2013 01:23 AM |
| 7765 | Ruby    | Bug     | Closed   | Proc#arity bug with optional argument                              | marcandre (Marc-Andre Lafortune) | 02/02/2013 07:46 AM |
| 5747 | Ruby    | Bug     | Closed   | Proc#curry doesn't always detect too many arguments                | marcandre (Marc-Andre Lafortune) | 02/02/2013 07:46 AM |
| 7248 | Ruby    | Bug     | Closed   | Shouldn't Enumerator::Lazy.new be private?                         | marcandre (Marc-Andre Lafortune) | 02/05/2013 12:49 PM |
| 7715 | Ruby    | Bug     | Closed   | Lazy enumerators should want to stay lazy.                         | marcandre (Marc-Andre Lafortune) | 02/05/2013 12:50 PM |
| 8035 | Ruby    | Feature | Closed   | singleton class should be included in ancestors                    | matz (Yukihiro Matsumoto)        | 03/08/2013 02:54 AM |

| #     | Project | Tracker | Status   | Subject                                                        | Assignee                         | Updated             |
|-------|---------|---------|----------|----------------------------------------------------------------|----------------------------------|---------------------|
| 8041  | Ruby    | Bug     | Closed   | Marshal incompatibility with prepend                           |                                  | 03/09/2013 12:26 AM |
| 7916  | Ruby    | Bug     | Closed   | Callback Module.used is not used...                            | shugo (Shugo Maeda)              | 03/13/2013 11:43 AM |
| 8044  | Ruby    | Bug     | Closed   | Object#methods incompatible with prepend                       |                                  | 03/13/2013 03:13 PM |
| 8045  | Ruby    | Bug     | Closed   | Object#singleton_ methods incompatible with prepend            |                                  | 03/13/2013 03:16 PM |
| 6693  | Ruby    | Feature | Closed   | Don't warn for unused variables starting with _                | matz (Yukihiro Matsumoto)        | 04/13/2013 06:23 AM |
| 8162  | Ruby    | Bug     | Closed   | Documentation for trust/taint lacking                          | zzak (zzak _)                    | 04/28/2013 09:51 AM |
| 6588  | Ruby    | Feature | Closed   | Set#intersect?                                                 | knu (Akinori MUSHIA)             | 07/30/2013 07:19 PM |
| 7696  | Ruby    | Bug     | Closed   | Lazy enumerators with state can't be rewound                   | matz (Yukihiro Matsumoto)        | 08/31/2013 07:57 AM |
| 8161  | Ruby    | Bug     | Closed   | String#+ should inherit untrustedness                          |                                  | 09/24/2013 02:14 PM |
| 7292  | Ruby    | Feature | Closed   | Enumerable#to_h                                                | marcandre (Marc-Andre Lafortune) | 10/24/2013 12:10 AM |
| 9048  | Ruby    | Bug     | Closed   | Remove legacy ±(binary) special cases.                         | marcandre (Marc-Andre Lafortune) | 11/01/2013 12:05 AM |
| 666   | Ruby    | Feature | Rejected | Enumerable::to_hash                                            | matz (Yukihiro Matsumoto)        | 02/13/2014 10:38 AM |
| 2509  | Ruby    | Feature | Rejected | Recursive freezing?                                            | matz (Yukihiro Matsumoto)        | 06/16/2014 03:44 PM |
| 2542  | Ruby    | Feature | Closed   | URI lib should be updated to RFC 3986                          | naruse (Yui NARUSE)              | 07/01/2014 01:10 PM |
| 9660  | Ruby    | Bug     | Closed   | test/unit, minitest & bundler                                  | sorah (Sorah Fukumori)           | 08/15/2014 01:49 AM |
| 10828 | Ruby    | Bug     | Closed   | send should not create immortal symbols                        | nobu (Nobuyoshi Nakada)          | 02/14/2015 04:46 AM |
| 10831 | Ruby    | Bug     | Closed   | Variable keyword arguments shouldn't create immortal symbols   | nobu (Nobuyoshi Nakada)          | 02/20/2015 08:52 AM |
| 1667  | Ruby    | Feature | Closed   | IO#codepoints, IO#each_codepoint, and StringIO                 |                                  | 08/17/2015 01:40 AM |
| 10354 | Ruby    | Feature | Closed   | Optimize Integer#prime?                                        | yugui (Yuki Sonoda)              | 10/20/2015 03:18 AM |
| 2172  | Ruby    | Feature | Closed   | Enumerable#chunk with no block                                 | matz (Yukihiro Matsumoto)        | 10/06/2016 04:45 AM |
| 6539  | Ruby    | Feature | Closed   | public and private for core methods                            | nobu (Nobuyoshi Nakada)          | 11/25/2016 09:12 AM |
| 8894  | Ruby    | Bug     | Closed   | Fixnum#quo returns wrong result when given a float             |                                  | 03/29/2017 02:59 PM |
| 8840  | Ruby    | Feature | Rejected | Yielder#state                                                  | matz (Yukihiro Matsumoto)        | 10/22/2017 02:12 AM |
| 6589  | Ruby    | Feature | Closed   | Set#rehash                                                     | knu (Akinori MUSHIA)             | 10/22/2017 12:25 PM |
| 14031 | Ruby    | Bug     | Closed   | WeakRef example misleading and wrong                           |                                  | 10/24/2017 06:08 PM |
| 11776 | Ruby    | Bug     | Closed   | dig and custom objects                                         | matz (Yukihiro Matsumoto)        | 11/22/2017 09:59 AM |
| 3714  | Ruby    | Feature | Closed   | Add getters for Enumerator                                     | knu (Akinori MUSHIA)             | 11/22/2017 10:06 AM |
| 7780  | Ruby    | Bug     | Closed   | Marshal & YAML should deserialize only basic types by default. | matz (Yukihiro Matsumoto)        | 11/22/2017 10:08 AM |
| 3128  | Ruby    | Bug     | Closed   | Randomness specs                                               | matz (Yukihiro Matsumoto)        | 11/22/2017 10:08 AM |
| 7755  | Ruby    | Bug     | Closed   | JSON::Generate#configure's argument conversion                 | naruse (Yui NARUSE)              | 11/22/2017 10:13 AM |
| 3434  | Ruby    | Bug     | Closed   | Specs for coercion?                                            | marcandre (Marc-Andre Lafortune) | 11/28/2017 03:45 AM |
| 14132 | Ruby    | Feature | Closed   | Module#attr{[_reader _writer]} should be public                | matz (Yukihiro Matsumoto)        | 11/29/2017 05:48 PM |
| 14133 | Ruby    | Feature | Closed   | Module#{define alias undef}_method should be made public       | matz (Yukihiro Matsumoto)        | 11/29/2017 05:49 PM |

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|-------|---------|---------|----------|-----------------------------------------------------------------------------|----------------------------------|---------------------|
| 14201 | Ruby    | Bug     | Closed   | Regression due to over optimization of hash splat                           | nobu (Nobuyoshi Nakada)          | 12/19/2017 12:45 AM |
| 14014 | Ruby    | Bug     | Closed   | NaN.finite?                                                                 |                                  | 02/03/2018 02:39 AM |
| 4938  | Ruby    | Feature | Closed   | Add Random.bytes [patch]                                                    | matz (Yukihiro Matsumoto)        | 02/20/2018 09:26 AM |
| 14057 | Ruby    | Bug     | Closed   | TracePoint#enable and disable should not yield arguments                    | marcandre (Marc-Andre Lafortune) | 03/18/2018 03:23 PM |
| 13973 | Ruby    | Bug     | Closed   | super_method fails on some UnboundMethods                                   | nobu (Nobuyoshi Nakada)          | 03/20/2018 03:53 PM |
| 5273  | Ruby    | Bug     | Closed   | Float#round returns the wrong floats for higher precision                   | marcandre (Marc-Andre Lafortune) | 03/27/2018 05:20 PM |
| 14674 | Ruby    | Bug     | Closed   | New mismatched indentations warnings?                                       | nobu (Nobuyoshi Nakada)          | 04/12/2018 10:13 PM |
| 15206 | Ruby    | Bug     | Closed   | require_relative in std_lib                                                 |                                  | 11/07/2018 12:06 PM |
| 15332 | Ruby    | Bug     | Closed   | coverage and InstructionSequence regression                                 |                                  | 12/10/2018 07:10 AM |
| 15376 | Ruby    | Bug     | Closed   | Default gems: how will it work exactly?                                     | hsbt (Hiroshi SHIBATA)           | 12/29/2018 06:27 PM |
| 6240  | Ruby    | Feature | Closed   | Enumerable#drop with negative argument                                      | matz (Yukihiro Matsumoto)        | 01/10/2019 11:07 PM |
| 15731 | Ruby    | Bug     | Closed   | Wrong evaluation of many keyword default arguments in 2.3 - 2.5             |                                  | 07/02/2019 04:38 PM |
| 15078 | Ruby    | Bug     | Closed   | Hash splat of empty hash should not create a positional argument.           | matz (Yukihiro Matsumoto)        | 08/31/2019 02:43 AM |
| 16281 | Ruby    | Bug     | Closed   | `irb -w` issues warning                                                     | aycabta (aycabta .)              | 10/31/2019 08:55 AM |
| 15917 | Ruby    | Feature | Closed   | Pattern matching for Struct                                                 | ktsj (Kazuki Tsujimoto)          | 11/10/2019 01:53 PM |
| 15613 | Ruby    | Bug     | Closed   | Enumerator::Chain#each doesn't relay block signature                        | nobu (Nobuyoshi Nakada)          | 12/03/2019 09:18 PM |
| 8026  | Ruby    | Feature | Feedback | Need Module#prepended_modules                                               | matz (Yukihiro Matsumoto)        | 01/16/2020 06:12 AM |
| 8841  | Ruby    | Bug     | Closed   | Module#included_modules and prepended modules                               | matz (Yukihiro Matsumoto)        | 01/16/2020 07:32 PM |
| 9242  | Ruby    | Bug     | Closed   | Rdoc detection of aliases                                                   | drbrain (Eric Hodel)             | 03/06/2020 09:31 PM |
| 11816 | Ruby    | Feature | Assigned | Partial safe navigation operator                                            | matz (Yukihiro Matsumoto)        | 04/14/2020 08:02 AM |
| 17031 | Ruby    | Bug     | Closed   | `Kernel#caller_locations(m, n)` should be optimized                         |                                  | 08/27/2020 10:17 PM |
| 16994 | Ruby    | Feature | Feedback | Sets: shorthand for frozen sets of symbols / strings                        |                                  | 09/25/2020 08:15 PM |
| 14015 | Ruby    | Bug     | Closed   | Enumerable & Hash yielding arity                                            | matz (Yukihiro Matsumoto)        | 09/28/2020 02:28 AM |
| 17285 | Ruby    | Feature | Open     | Less strict `Ractor.select`                                                 |                                  | 10/26/2020 03:15 AM |
| 17171 | Ruby    | Feature | Rejected | Why is the visibility of constants not affected by `private`?               |                                  | 10/26/2020 07:52 AM |
| 17265 | Ruby    | Feature | Feedback | Add `Bool` module                                                           | matz (Yukihiro Matsumoto)        | 10/26/2020 09:44 AM |
| 17145 | Ruby    | Feature | Rejected | Ractor-aware `Object#deep_freeze`                                           |                                  | 10/26/2020 01:36 PM |
| 6087  | Ruby    | Bug     | Closed   | How should inherited methods deal with return values of their own subclass? | matz (Yukihiro Matsumoto)        | 11/03/2020 10:02 PM |
| 17286 | Ruby    | Feature | Open     | `Ractor.new` should accept `move: true`                                     |                                  | 11/08/2020 03:01 AM |
| 17310 | Ruby    | Bug     | Closed   | Closed ractors should die                                                   | ko1 (Koichi Sasada)              | 11/13/2020 05:20 PM |
| 17124 | Ruby    | Bug     | Closed   | Wrong "ambiguous first argument" warning                                    | nobu (Nobuyoshi Nakada)          | 11/15/2020 11:25 PM |
| 17329 | Ruby    | Misc    | Closed   | Doc for pattern match?                                                      |                                  | 11/17/2020 08:30 PM |
| 17197 | Ruby    | Bug     | Rejected | Some Hash methods still have arity 2 instead of 1                           | nobu (Nobuyoshi Nakada)          | 11/30/2020 07:22 PM |

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|-------|---------|---------|----------|--------------------------------------------------------------------------------|-----------------------------------|---------------------|
| 17344 | Ruby    | Bug     | Closed   | `Ractor#shareable?` confused by recursive structures                           | ko1 (Koichi Sasada)               | 12/01/2020 12:34 AM |
| 17368 | Ruby    | Bug     | Closed   | `Ractor.select()` loops forever                                                | ko1 (Koichi Sasada)               | 12/07/2020 07:47 AM |
| 17343 | Ruby    | Bug     | Closed   | Ractor can't clone frozen structures                                           | ko1 (Koichi Sasada)               | 12/10/2020 09:06 AM |
| 17374 | Ruby    | Bug     | Rejected | Refined methods aren't visible from a refinement's module                      | shugo (Shugo Maeda)               | 12/10/2020 05:36 PM |
| 17030 | Ruby    | Bug     | Closed   | Enumerable#grep[_v] should be optimized for Regexp                             |                                   | 12/15/2020 05:55 PM |
| 17365 | Ruby    | Feature | Closed   | Can not respond (well) to a Ractor                                             |                                   | 12/18/2020 08:25 PM |
| 17366 | Ruby    | Bug     | Closed   | Ractor odd issue with timeout + receive + sleep + take                         | ko1 (Koichi Sasada)               | 12/18/2020 08:25 PM |
| 17401 | Ruby    | Feature | Closed   | The class `Ractor::MovedObject` should not be frozen                           | ko1 (Koichi Sasada)               | 12/18/2020 08:59 PM |
| 17406 | Ruby    | Feature | Open     | Add `NoMatchingPatternError#depth`                                             |                                   | 12/19/2020 03:18 PM |
| 17367 | Ruby    | Misc    | Closed   | CI: Env variable for Ractor compatibility tests?                               | ko1 (Koichi Sasada)               | 12/19/2020 10:13 PM |
| 17418 | Ruby    | Feature | Closed   | Add `Ractor.main?` and `Ractor.main`                                           | ko1 (Koichi Sasada)               | 12/21/2020 08:57 PM |
| 17397 | Ruby    | Feature | Closed   | `shareable_constant_value: literal` should check at runtime, not at parse time | ko1 (Koichi Sasada)               | 12/23/2020 04:51 AM |
| 17357 | Ruby    | Feature | Open     | `Queue#pop` should have a block form for closed queues                         |                                   | 01/12/2021 07:32 AM |
| 17577 | Ruby    | Bug     | Closed   | Segfault when sending some Exceptions to a Ractor                              | ko1 (Koichi Sasada)               | 02/02/2021 11:49 AM |
| 17601 | Ruby    | Feature | Closed   | lib/benchmark: adding `Benchmark::Tms#to_h`                                    | marcandre (Marc-Andre Lafortune)  | 02/08/2021 04:06 AM |
| 17505 | Ruby    | Bug     | Closed   | Can `Thread#group` actually be `nil`?                                          |                                   | 02/11/2021 03:34 PM |
| 17092 | Ruby    | Bug     | Closed   | Array#flatten with finite depth should flatten recursive arrays                |                                   | 02/20/2021 03:13 AM |
| 16990 | Ruby    | Feature | Open     | Sets: operators compatibility with Array                                       |                                   | 02/22/2021 11:37 PM |
| 17600 | Ruby    | Bug     | Closed   | lib/benchmark should use `\$stdout` instead of `STDOUT`                        | marcandre (Marc-Andre Lafortune)  | 03/02/2021 12:24 AM |
| 15718 | Ruby    | Bug     | Closed   | YAML raises error when dumping strings with UTF32 encoding                     | tenderlovmaking (Aaron Patterson) | 03/10/2021 08:07 PM |
| 17497 | Ruby    | Bug     | Closed   | Ractor performance issue                                                       | ko1 (Koichi Sasada)               | 03/11/2021 11:25 AM |
| 6120  | Ruby    | Bug     | Closed   | Float and BigDecimal bug in remainder in corner cases                          | marcandre (Marc-Andre Lafortune)  | 03/12/2021 03:36 PM |
| 16996 | Ruby    | Bug     | Closed   | Hash should avoid doing unnecessary rehash                                     |                                   | 03/18/2021 11:35 AM |
| 17428 | Ruby    | Bug     | Closed   | Method#inspect bad output for class methods                                    | matz (Yukihiro Matsumoto)         | 03/20/2021 06:52 AM |
| 17838 | Ruby    | Feature | Closed   | `Set#intersect?` and enumerables                                               | knu (Akinori MUSA)                | 06/18/2021 10:32 PM |
| 18018 | Ruby    | Bug     | Closed   | Float#floor / truncate sometimes result that is too small.                     |                                   | 07/27/2021 06:01 PM |
| 17379 | Ruby    | Bug     | Closed   | Refinement with modules redefinition bug                                       | ko1 (Koichi Sasada)               | 10/21/2021 04:13 PM |
| 17592 | Ruby    | Feature | Closed   | Ractor should allowing reading shareable class instance variables              | ko1 (Koichi Sasada)               | 10/22/2021 04:33 PM |
| 17380 | Ruby    | Feature | Closed   | Useful `include/prepend` in `refine`                                           | matz (Yukihiro Matsumoto)         | 10/27/2021 10:50 PM |
| 17363 | Ruby    | Feature | Assigned | Timeouts                                                                       | ko1 (Koichi Sasada)               | 05/14/2022 09:06 AM |
| 12813 | Ruby    | Feature | Closed   | Calling chunk_while, slice_after, slice_before, slice_when with no block       | matz (Yukihiro Matsumoto)         | 12/12/2022 03:01 AM |
| 16995 | Ruby    | Feature | Closed   | Sets: <=> should be specialized                                                |                                   | 01/01/2023 01:04 PM |
| 16991 | Ruby    | Feature | Closed   | Sets: add Set#join                                                             |                                   | 01/01/2023 01:05 PM |

| #     | Project | Tracker | Status   | Subject                                                                | Assignee                         | Updated             |
|-------|---------|---------|----------|------------------------------------------------------------------------|----------------------------------|---------------------|
| 17531 | Ruby    | Bug     | Closed   | `did_you_mean` not Ractor friendly                                     | ko1 (Koichi Sasada)              | 08/24/2023 08:30 PM |
| 17543 | Ruby    | Bug     | Closed   | Ractor isolation broken by `self` in shareable proc                    | ko1 (Koichi Sasada)              | 08/24/2023 08:34 PM |
| 5179  | Ruby    | Bug     | Closed   | Complex#rationalize and to_r with approximate zeros                    | mrkn (Kenta Murata)              | 02/27/2024 01:25 AM |
| 7444  | Ruby    | Feature | Assigned | Array#product_set                                                      | matz (Yukihiro Matsumoto)        | 04/03/2024 03:50 AM |
| 9347  | Ruby    | Feature | Assigned | Accept non callable argument to detect                                 | marcandre (Marc-Andre Lafortune) | 04/03/2024 03:50 AM |
| 15277 | Ruby    | Feature | Assigned | at_exec                                                                | matz (Yukihiro Matsumoto)        | 04/03/2024 03:50 AM |
| 15330 | Ruby    | Feature | Assigned | autoload_relative                                                      | matz (Yukihiro Matsumoto)        | 04/03/2024 03:50 AM |
| 15881 | Ruby    | Feature | Assigned | Optimize deconstruct in pattern matching                               | ktsj (Kazuki Tsujimoto)          | 04/03/2024 03:50 AM |
| 15918 | Ruby    | Feature | Assigned | Pattern matching for Set                                               | ktsj (Kazuki Tsujimoto)          | 04/03/2024 03:50 AM |
| 16985 | Ruby    | Feature | Assigned | Improve `pp` for `Hash` and `String`                                   | akr (Akira Tanaka)               | 04/03/2024 03:50 AM |
| 16989 | Ruby    | Feature | Assigned | Sets: need ♥️                                                          | knu (Akinori MUSAHA)             | 04/03/2024 03:50 AM |
| 16992 | Ruby    | Feature | Assigned | Sets: officially ordered                                               | matz (Yukihiro Matsumoto)        | 04/03/2024 03:50 AM |
| 17210 | Ruby    | Feature | Assigned | More readable and useful `Set#inspect`                                 | knu (Akinori MUSAHA)             | 04/03/2024 03:50 AM |
| 17393 | Ruby    | Feature | Assigned | `Ractor::Moved#inspect`                                                | ko1 (Koichi Sasada)              | 04/03/2024 03:50 AM |
| 17404 | Ruby    | Feature | Assigned | Ractor `move:` API to allow shareability check                         | ko1 (Koichi Sasada)              | 04/03/2024 03:50 AM |
| 17502 | Ruby    | Misc    | Assigned | C vs Ruby                                                              | ko1 (Koichi Sasada)              | 04/03/2024 03:50 AM |
| 17513 | Ruby    | Feature | Assigned | Methods of shareable objects and UnboundMethods should be shareable    | ko1 (Koichi Sasada)              | 04/03/2024 03:50 AM |
| 17785 | Ruby    | Feature | Assigned | Allow named parameters to be keywords                                  | matz (Yukihiro Matsumoto)        | 04/03/2024 03:50 AM |
| 20325 | Ruby    | Bug     | Closed   | Enumerator.product.size bug with zero * infinite enumerators           |                                  | 04/16/2024 07:49 AM |
| 17569 | Ruby    | Misc    | Closed   | `uri` lib maintainership                                               | hsbt (Hiroshi SHIBATA)           | 05/09/2024 08:58 AM |
| 17414 | Ruby    | Feature | Closed   | Ractor should allow access to shareable attributes for Modules/Classes | ko1 (Koichi Sasada)              | 03/28/2025 10:34 PM |
| 17506 | Ruby    | Bug     | Closed   | Ractor isolation broken by ThreadGroup                                 | ractor                           | 03/31/2025 08:26 AM |
| 16993 | Ruby    | Feature | Open     | Sets: from hash keys using Hash#key_set                                |                                  | 04/08/2025 01:00 PM |
| 17359 | Ruby    | Bug     | Assigned | Ractor copy mode is not Ractor-safe                                    | ractor                           | 07/03/2025 12:39 AM |