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# Global Object Space

- BasicObject::Object
- BasicObject
- Enumerator::Enumerator::Lazy • Exception::File::FileError
- Exception::NoMemoryError
- Exception::ScriptError
- Exception::StandardError
- Exception::SystemStackError
- File::FileError::File::NoFileError • File::FileError::File::PermissionError
- File::FileError::File::UnableToStat
- IO::File
- IOError::EOFError
- IndexError::KeyError
- IndexError::StopIteration
- Integer::Fixnum
- Module::Class
- NameError::NoMethodError
- Numeric::Float
- Numeric::Integer
- Object::Array
- Object::ControllerKeys
- Object::Controller
- Object::DragonRubyArgs
- Object::DragonRubyRoot
- Object::DragonRubyView
- Object::DragonRuby
- Object::Enumerator::Generator
- Object::Enumerator::Yielder

- Object::Enumerator
- Object::Exception
- Object::FFI::File
- Object::FFI::MRB
- Object::FFI::Misc
- Object::FalseClass
- Object::Fiber
- Object::FileTest
- Object::Grid
- Object::Hash
- Object::IO
- Object::Inputs
- Object::KeyboardKeys
- Object::Keyboard
- Object::Module
- Object::Mouse
- Object::NilClass
- Object::Numeric
- Object::ObjectMetadata
- Object::OpenStructLite
- Object::Outputs
- Object::Primitive
- Object::Proc
- Object::Random
- Object::Range
- Object::Sound
- Object::String
- Object::Struct
- Object::Symbol
- Object::Time
- Object::TrueClass
- Primitive::Border
- Primitive::Label
- Primitive::Line
- Primitive::Solid
- Primitive::Sprite
- RangeError::FloatDomainError
- RuntimeError::FrozenError
- ScriptError::LocalJumpError
- ScriptError::NotImplementedError
- ScriptError::SyntaxError
- StandardError::ArgumentError
- StandardError::FiberError
- StandardError::IOError
- StandardError::IndexError
- StandardError::Math::DomainError

- StandardError::NameError
- StandardError::RangeError
- StandardError::RegexpError
- StandardError::RuntimeError
- StandardError::TypeError

# Short (excluding inherited methods)

## ${\bf Class:\ Object::} {\bf DragonRubyArgs}$

args

- destructure
- dragon
- dragon=
- game
- game=
- grid
- grid=
- initialize
- inputs
- inputs=
- outputs
- outputs=
- passes
- passes=
- serialize

Top

Class: Object::DragonRuby

args.dragon

- args
- args=
- border\_to\_ffi
- borders
- calc\_wrapper
- calcstringbox
- clear\_draw\_passes
- clear\_draw\_primitives
- clear\_inputs
- current\_framerate

- current\_framerate\_raw
- dequeue\_sounds
- export!
- ffi\_file
- ffi\_misc
- ffi\_mrb
- flattened\_solids
- gridlines!
- has\_toast?
- highlights
- init\_args\_if\_needed
- initialize
- label\_to\_ffi
- labels
- line\_to\_ffi
- lines
- load\_state
- next\_keyboard\_inputs\_after\_tick
- next\_keyboard\_inputs\_before\_tick
- passes
- pause!
- paused?
- pin\_root\_values
- primitive\_to\_ffi
- primitives
- queue\_key\_up
- render\_height
- render\_width
- require
- reset
- root
- root=
- save\_state
- solid\_to\_ffi
- sprite\_to\_ffi
- sprites
- target
- text\_font
- tick\_core
- tick\_speed\_count
- tick\_speed\_count=
- tick\_speed\_sum
- tick\_speed\_sum=
- tick\_toast
- toast!
- toast\_labels

- toggle\_gridlines!
- ungridlines!
- unpause!

#### Class: Object::DragonRubyRoot

args.dragon.root

- files\_reloaded
- files\_reloaded=
- framerate
- framerate=
- framerate\_at
- framerate\_at=
- gridline\_color
- gridline\_color=
- gridline\_label\_color
- gridline\_label\_color=
- gridline\_label\_spacing\_x
- gridline\_label\_spacing\_x=
- gridline\_label\_spacing\_y
- gridline\_label\_spacing\_y=
- gridline\_spacing\_x
- gridline\_spacing\_x=
- gridline\_spacing\_y
- gridline\_spacing\_y=
- hash
- hash=
- initialize
- keyboard\_focus
- keyboard\_focus=
- mouse\_focus
- mouse\_focus=
- paused
- paused=
- reloaded\_files
- reloaded\_files=
- repl\_enabled
- repl\_enabled=
- repl\_text\_color
- repl\_text\_color=
- repl\_text\_font

- repl\_text\_font=
- show\_gridlines
- show\_gridlines=
- take\_screenshot
- take\_screenshot=
- tick\_count
- tick\_count=
- time\_per\_tick
- time\_per\_tick=
- toast\_debounce
- toast\_debounce=
- toast\_message
- toast\_message=

 ${\bf OpenStructLite~for~} args. game. new\_entity~{\bf Methods~of~an~entity~object}$ 

args.game.new\_entity Methods of an entity object

- ==
- \_\_contains\_array\_indexers\_\_
- \_\_contains\_array\_indexers\_\_=
- \_\_get\_hash\_property\_\_
- \_\_meta\_\_
- \_\_reserved\_keys\_\_
- \_\_set\_hash\_property\_\_
- \_\_touched\_\_
- \_\_touched\_\_=
- attributes
- clear!
- created\_at=
- created\_at\_elapsed
- entity\_id
- entity\_type=
- hash
- initialize
- inspect
- meta
- method\_missing
- new\_entity
- original\_eq\_eq
- set!

- to\_s
- with\_meta

 ${\bf Class:\ Object::} {\bf FFI::} {\bf MRB}$ 

\$ffi

- eval
- parse
- reload

Top

 ${\bf Class:\ Object::} {\bf FFI::} {\bf File}$ 

FFI::File

- loadfile
- mtime
- storefile

Top

 ${\bf OpenStructLite~for~} args.game$ 

args.game

- ==
- \_\_contains\_array\_indexers\_\_
- \_\_contains\_array\_indexers\_\_=
- \_\_get\_hash\_property\_\_
- \_\_meta\_\_
- \_\_reserved\_keys\_\_
- \_\_set\_hash\_property\_\_
- \_\_touched\_\_
- \_\_touched\_\_=
- attributes
- clear!
- created\_at\_elapsed
- documenter\_success

- entity\_id
- hash
- initialize
- inspect
- meta
- method\_missing
- new\_entity
- original\_eq\_eq
- set!
- tick\_count
- tick\_count=
- to\_s
- with\_meta

Class: Object::Module

GC

- ===
- ullet alias\_method
- ancestors
- append\_features
- attr
- attr\_accessor
- attr\_reader
- attr\_writer
- class\_eval
- class\_exec
- class\_variable\_defined?
- class\_variable\_get
- class\_variable\_set
- class\_variables
- const\_defined?
- const\_get
- const\_missing
- const\_set
- constants
- define\_method
- disable
- dup
- enable
- extend\_object

- extended
- generational\_mode
- generational\_mode=
- include
- include?
- included
- included\_modules
- initialize
- inspect
- instance\_methods
- interval\_ratio
- interval\_ratio=
- method\_defined?
- method\_removed
- module\_eval
- module\_exec
- module\_function
- name
- prepend
- prepend\_features
- prepended
- private
- protected
- public
- remove\_class\_variable
- remove\_const
- remove\_method
- singleton\_class?
- start
- step\_ratio
- step\_ratio=
- to\_s
- $\bullet \ \mathtt{undef\_method}$

## Class: Object::Grid

args.grid

- \_\_print\_origin\_help
- bottom
- bottom=
- h

- h\_half
- initialize
- left
- left=
- origin\_bottom\_left!
- origin\_center!
- origin\_x
- origin\_x=
- origin\_y
- origin\_y=
- rect
- rect=
- right
- right=
- top
- top=
- transform\_angle
- transform\_rect
- transform\_x
- transform\_y
- W
- w\_half

Class: Object::IO

IO.new(IO.sysopen("/dev/tty", "w"), "w")

- <<
- \_check\_readable
- \_read\_buf
- close
- close\_on\_exec=
- close\_on\_exec?
- close\_write
- closed?
- each
- each\_byte
- each\_char
- each\_line
- eof
- eof?
- fileno

- flush
- getc
- gets
- hash
- initialize
- initialize\_copy
- isatty
- pid
- pos
- pos=
- print
- printf
- puts
- read
- readchar
- readline
- readlines
- rewind
- seek
- sync
- sync=
- sysread
- sysseek
- syswrite
- tell
- to\_i
- tty?
- ungetc
- write

Class: IO::File

File.open

- flock
- initialize
- mtime
- path
- path=

Top

## Class: Object::DragonRubyView

#### \$layout

- \_\_files\_to\_reload
- \_\_highlights
- \_\_init\_mtimes
- \_\_reload\_if\_needed
- \_\_reload\_repl\_file
- \_\_reload\_ruby\_file
- \_\_repl\_labels
- analog\_to\_perc
- append\_buffer
- append\_current\_repl\_code
- append\_mini\_buffer\_code
- append\_repl\_code
- background\_color
- black
- blink\_cursor
- borders
- button\_name\_given\_enum
- bye
- center\_aligned
- char\_with\_shift
- color\_with\_perc\_towards
- current\_repl\_code\_index
- current\_repl\_code\_index=
- dark\_gray
- eval\_or\_create\_main\_rb
- exit\_mini\_buffer\_if\_needed
- ffi\_file
- ffi\_mrb
- font\_med
- get\_buffer
- get\_current\_repl\_code
- get\_mini\_buffer\_code
- get\_repl\_code
- gray
- green
- gridline\_color
- gridline\_label\_color
- gridline\_label\_spacing\_x
- gridline\_label\_spacing\_y
- gridline\_spacing\_x
- gridline\_spacing\_y
- gridlines

- hide\_repl
- highlights
- in\_game\_repl\_labels
- in\_game\_repl\_shown
- in\_game\_repl\_shown=
- initialize
- key\_down\_in\_game
- key\_down\_player\_one
- key\_down\_player\_two
- key\_down\_raw
- key\_down\_raw\_repl
- key\_down\_raw\_show\_hide\_mini\_buffer
- key\_down\_raw\_show\_hide\_repl
- key\_held\_player\_one
- key\_held\_player\_two
- key\_held\_raw
- key\_in\_game
- key\_up\_in\_game
- key\_up\_player\_one
- key\_up\_player\_two
- key\_up\_raw
- keyboard\_methods
- keyboard\_methods\_invalidate!
- labels
- labels\_with\_alpha
- left\_aligned
- left\_analog\_x\_player\_1
- left\_analog\_x\_player\_2
- left\_analog\_y\_player\_1
- left\_analog\_y\_player\_2
- light\_gray
- lines
- mini\_buffer\_enabled?
- mini\_buffer\_label
- mouse\_move
- mouse\_pressed
- mouse\_up
- on\_reload
- on\_startup
- passes
- prepend\_buffer
- prepend\_current\_repl\_code
- pretty\_print\_exception\_and\_export!
- primitives
- print\_help\_when\_mouse\_clicked
- process\_mini\_buffer

- process\_repl
- queue\_flash
- queue\_music
- queue\_sound
- really\_light\_gray
- red
- render\_height
- render\_width
- repl\_before\_after\_cursor
- repl\_clear
- repl\_code\_labels
- repl\_code\_line
- repl\_code\_lines
- repl\_cursor\_down
- repl\_cursor\_index
- repl\_cursor\_key
- repl\_cursor\_left
- repl\_cursor\_location
- repl\_cursor\_location\_shifted
- repl\_cursor\_right
- repl\_cursor\_up
- repl\_cursor\_width
- repl\_dismissed
- repl\_enabled?
- repl\_eval\_buffer
- repl\_eval\_mini\_buffer
- repl\_file\_name
- repl\_instructions
- repl\_labels
- repl\_line\_numbers
- repl\_load
- $\bullet \ \ \texttt{repl\_ordinal\_cursor}$
- repl\_save
- repl\_set\_cursor
- repl\_shown
- repl\_text\_color
- repl\_text\_font
- repl\_tick
- right\_aligned
- right\_analog\_x\_player\_1
- right\_analog\_x\_player\_2
- right\_analog\_y\_player\_1
- right\_analog\_y\_player\_2
- set\_buffer
- set\_current\_repl\_code
- set\_key

- set\_mini\_buffer\_code
- set\_repl\_code
- show\_cursor?
- show\_repl
- sounds
- sprites
- stop\_music
- take\_screenshot
- target
- text\_color
- text\_font
- textures
- textures=
- tick
- tick\_flashes
- time\_per\_tick
- white
- window\_keyboard\_focus\_changed
- window\_mouse\_focus\_changed

\_\_\_\_

## Class: Object::Outputs

args.outputs

- all\_borders
- all\_labels
- all\_lines
- all\_primitives
- all\_solids
- all\_sounds
- all\_sprites
- borders
- borders=
- clear
- height
- height=
- initialize
- labels
- labels=
- lines
- lines=
- primitives

- primitives=
- serialize
- solids
- solids=
- sounds
- sounds=
- sprites
- sprites=
- static\_borders
- static\_borders=
- static\_labels
- static\_labels=
- static\_lines
- static\_lines=
- static\_primitives
- static\_primitives=
- static\_solids
- static\_solids=
- static\_sprites
- static\_sprites=
- target
- target=
- tick
- width
- width=

Class: Object::Array

args.passes

- &
- ~
- +
- -
- <<
- <=>
- ==
- []
- []=
- \_\_ary\_cmp
- \_\_ary\_eq
- \_\_ary\_index

- \_\_sort\_sub\_\_
- \_\_svalue
- \_inspect
- a
- a=
- angle
- angle=
- angle\_given\_point
- append
- assoc
- at
- bottom
- bsearch
- bsearch\_index
- center\_inside\_rect
- clear
- collect!
- combination
- compact
- compact!
- concat
- delete
- delete\_at
- delete\_if
- dig
- draw\_primitive\_marker?
- each
- each\_index
- empty?
- eq1?
- fetch
- fill
- first
- flatten
- flatten!
- flatten\_tuples
- h
- h\_half
- has\_nested\_arrays?
- height
- height\_half
- index
- initialize
- initialize\_copy
- insert
- inside\_rect?

- inspect
- intersects\_rect?
- join
- keep\_if
- last
- left
- length
- map!
- pack
- pairs\_to\_hash
- path
- permutation
- point
- pop
- prepend
- product
- push
- rassoc
- rect
- rect\_offset
- rect\_shift\_down
- rect\_shift\_left
- rect\_shift\_right
- rect\_shift\_up
- reject!
- reject\_false
- reject\_nil
- replace
- reverse
- reverse!
- reverse\_each
- right
- rindex
- rotate
- rotate!
- sample
- scale\_rect
- select!
- self\_rect
- serialize
- shift
- shuffle
- shuffle!
- size
- slice
- slice!

- sortsort!
- text
- to\_a\_pairs
- to\_ary
- $to_h$
- to\_s
- top
- transpose
- uniq
- uniq!
- unshift
- values\_at
- V
- w\_half
- width
- width\_half
- x
- x2
- x=
- y
- y2
- y=
- |

Class: Object::Primitive

Primitive.new

Top

Class: Primitive::Border

Border.new

- a
- a=
- b
- b=
- g
- g=

- h
- h=
- initialize
- r
- r=
- valid?
- validate!
- W
- w=
- X
- x=
- y
- y=

## Class: Primitive::Label

#### Label.new

- a
- a=
- alignment\_enum
- alignment\_enum=
- b
- b=
- font
- font=
- g
- g=
- initialize
- r
- r=
- size\_enum
- size\_enum=
- text
- text=
- valid?
- validate!
- X
- x=
- y
- y=

## Top

## Class: Primitive::Line

## Line.new

- a
- a=
- b
- b=
- g
- g=
- initialize
- r
- r=
- X
- x2
- x2=
- x=
- y
- y2
- y2=
- y=

Top

Class: Primitive::Solid

# Solid.new

- a
- a=
- b
- b=
- g
- g=
- h
- h=
- initialize
- r
- r=
- valid?
- validate!
- W

- W=
- x
- x=
- v
- y=

# Class: Primitive::Sprite

Sprite.new

- a
- a=
- angle
- angle=
- b
- b=
- dpx
- dpx=
- dpy
- dpy=
- fliphorz
- fliphorz=
- flipvert
- flipvert=
- g
- g=
- h
- h=
- ullet initialize
- path
- path=
- r
- r=
- sh
- sh=
- SW
- sw=
- sx
- sx=
- sy
- sy=
- W

- M=
- x
- x=
- y
- y=

## Class: Object::Inputs

args.inputs

- controller\_one
- controller\_two
- controllers
- controllers=
- initialize
- keyboard
- keyboard=
- mouse
- mouse=
- serialize

Top

Class: Object::Controller

 $args.inputs.controller\_one$ 

- clear
- initialize
- key\_down
- key\_down=
- key\_held
- key\_held=
- key\_up
- key\_up=
- left\_analog\_x\_perc
- left\_analog\_x\_perc=
- left\_analog\_x\_raw
- left\_analog\_x\_raw=
- left\_analog\_y\_perc
- left\_analog\_y\_perc=

- left\_analog\_y\_raw
- left\_analog\_y\_raw=
- left\_right
- left\_right=
- right\_analog\_x\_perc
- right\_analog\_x\_perc=
- right\_analog\_x\_raw
- right\_analog\_x\_raw=
- right\_analog\_y\_perc
- right\_analog\_y\_perc=
- right\_analog\_y\_raw
- right\_analog\_y\_raw=
- serialize
- up\_down
- up\_down=

#### Class: Object::Controller

 $args.inputs.controller\_two$ 

- clear
- initialize
- key\_down
- key\_down=
- key\_held
- key\_held=
- key\_up
- key\_up=
- left\_analog\_x\_perc
- left\_analog\_x\_perc=
- left\_analog\_x\_raw
- left\_analog\_x\_raw=
- left\_analog\_y\_perc
- left\_analog\_y\_perc=
- left\_analog\_y\_raw
- left\_analog\_y\_raw=
- left\_right
- left\_right=
- right\_analog\_x\_perc
- right\_analog\_x\_perc=
- right\_analog\_x\_raw
- right\_analog\_x\_raw=

- right\_analog\_y\_perc
- right\_analog\_y\_perc=
- right\_analog\_y\_raw
- right\_analog\_y\_raw=
- serialize
- up\_down
- up\_down=

## Class: Object::Array

args. inputs. controllers

- &
- \*
- +
- -
- <<
- <=>
- ==
- []
- []=
- \_\_ary\_cmp
- \_\_ary\_eq
- \_\_ary\_index
- \_\_sort\_sub\_\_
- \_\_svalue
- \_inspect
- a
- a=
- angle
- angle=
- angle\_given\_point
- append
- assoc
- at
- bottom
- bsearch
- bsearch\_index
- center\_inside\_rect
- clear
- collect!
- combination

- compact
- compact!
- concat
- delete
- delete\_at
- delete\_if
- dig
- draw\_primitive\_marker?
- each
- each\_index
- empty?
- eq1?
- fetch
- fill
- first
- flatten
- flatten!
- flatten\_tuples
- h
- h\_half
- has\_nested\_arrays?
- height
- height\_half
- index
- initialize
- initialize\_copy
- insert
- inside\_rect?
- inspect
- intersects\_rect?
- join
- keep\_if
- last
- left
- length
- map!
- pack
- pairs\_to\_hash
- path
- permutation
- point
- pop
- prepend
- product
- push
- rassoc

- rect
- rect\_offset
- rect\_shift\_down
- rect\_shift\_left
- rect\_shift\_right
- rect\_shift\_up
- reject!
- reject\_false
- reject\_nil
- replace
- reverse
- reverse!
- reverse\_each
- right
- rindex
- rotate
- rotate!
- sample
- scale\_rect
- select!
- self\_rect
- serialize
- shift
- shuffle
- shuffle!
- size
- slice
- slice!
- sort
- sort!
- text
- to\_a\_pairs
- to\_ary
- to\_h
- to\_s
- top
- transpose
- uniq
- uniq!
- unshift
- values\_at
- V
- w\_half
- width
- width\_half
- x

- x2
- x=
- y
- y2
- y=
- Top

# Class: Object::Keyboard

args. inputs. keyboard

- clear
- has\_focus
- has\_focus=
- initialize
- key\_down
- key\_down=
- key\_held
- key\_held=
- key\_up
- key\_up=
- left\_right
- serialize

## Top

## Class: Object::Mouse

args.inputs.mouse

- clear
- click
- click=
- down
- has\_focus
- has\_focus=
- initialize
- moved
- moved=
- moved\_at
- moved\_at=

- position
- previous\_click
- previous\_click=
- serialize
- up
- up=
- x
- X=
- y
- y=

# Full (including inherited methods)

 ${\bf Class:\ Object::} {\bf DragonRuby Args}$ 

```
args
```

- - I=
- !
- ==
- ===
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- """"
- $\bullet$  and
- block\_given?
- caller

- class
- class\_defined?
- clone
- define\_singleton\_method
- destructure
- dig
- dragon
- dragon=
- dup
- enum\_for
- eql?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- game
- game=
- getc
- gets
- global\_variables
- grid
- grid=
- hash
- here
- initialize
- initialize\_copy
- inputs
- inputs=
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- local\_variables
- loop

- method\_missing
- methods
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- outputs
- outputs=
- p
- passes
- passes=
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- serialize
- singleton\_class
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- yield\_self

## Class: Object::DragonRuby

• dig

```
args.dragon
  • !
  ! =
  • Array
  • Float
  • Hash
  • Integer
  • String
  • __caller_without_noise__
  • __case_eqq
  • __dragon_ruby_source_files__
  • __dragon_ruby_string_contains_source_file_path__?
  • __id__
  • __method__
  • __pretty_print_exception__
  • __printstr__
  • __send__
  • __supports_ivars__?
  • _inspect
  \bullet and
  • args
  • args=
  • block_given?
  • border_to_ffi
  • borders
  • calc_wrapper
  • calcstringbox
  • caller
  • class
  • class_defined?
  • clear_draw_passes
  • clear_draw_primitives
  • clear_inputs
  • clone
  • current_framerate
  • current_framerate_raw
  • define_singleton_method
  • dequeue_sounds
```

- dup
- enum\_for
- eql?
- equal?
- export!
- extend
- fail
- fast\_rand
- ffi\_file
- ffi\_misc
- ffi\_mrb
- flattened\_solids
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- gridlines!
- has\_toast?
- hash
- here
- highlights
- init\_args\_if\_needed
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- label\_to\_ffi
- labels
- lambda
- line\_to\_ffi
- lines
- load\_state
- local\_variables
- loop

- method\_missing
- methods
- next\_keyboard\_inputs\_after\_tick
- next\_keyboard\_inputs\_before\_tick
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- passes
- pause!
- paused?
- pin\_root\_values
- primitive\_to\_ffi
- primitives
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- queue\_key\_up
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- render\_height
- render\_width
- require
- reset
- respond\_to?
- root
- root=
- save\_state
- $\bullet$  send
- singleton\_class
- singleton\_methods
- solid\_to\_ffi
- sprintf
- sprite\_to\_ffi
- sprites

- srand
- tap
- target
- text\_font
- then
- tick
- tick\_core
- tick\_speed\_count
- tick\_speed\_count=
- tick\_speed\_sum
- tick\_speed\_sum=
- tick\_toast
- to\_enum
- to\_s
- toast!
- toast\_labels
- toggle\_gridlines!
- ungridlines!
- unpause!
- yield\_self

## ${\bf Class:\ Object::} {\bf DragonRubyRoot}$

args.dragon.root

- !
- !=
- ! -
- ==
- ===
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_

- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- $\bullet$  and
- block\_given?
- caller
- class
- class\_defined?
- clone
- define\_singleton\_method
- dig
- dup
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- files\_reloaded
- files\_reloaded=
- format
- framerate
- framerate=
- framerate at
- framerate\_at=
- freeze
- frozen?
- getc
- gets
- global\_variables
- gridline\_color
- gridline\_color=
- gridline\_label\_color
- gridline\_label\_color=
- gridline\_label\_spacing\_x
- gridline\_label\_spacing\_x=
- gridline\_label\_spacing\_y
- gridline\_label\_spacing\_y=
- gridline\_spacing\_x
- gridline\_spacing\_x=
- gridline\_spacing\_y
- gridline\_spacing\_y=
- hash
- hash=

- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- keyboard\_focus
- keyboard\_focus=
- kind\_of?
- lambda
- local\_variables
- loop
- method\_missing
- methods
- mouse\_focus
- mouse\_focus=
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- paused
- paused=
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- reloaded\_files

- reloaded\_files=
- remove\_instance\_variable
- repl\_enabled
- repl\_enabled=
- repl\_text\_color
- repl\_text\_color=
- repl\_text\_font
- repl\_text\_font=
- respond\_to?
- send
- show\_gridlines
- show\_gridlines=
- singleton\_class
- singleton\_methods
- sprintf
- srand
- take\_screenshot
- take\_screenshot=
- tap
- then
- tick
- tick\_count
- tick\_count=
- time\_per\_tick
- time\_per\_tick=
- to\_enum
- to\_s
- toast\_debounce
- toast\_debounce=
- toast\_message
- toast\_message=
- yield\_self

 ${\bf OpenStructLite~for~} args. game. new\_entity~{\bf Methods~of~an~entity~object}$ 

 $args.game.new\_entity$  Methods of an entity object

- !
- ! =
- !~
- ==

- ===
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_contains\_array\_indexers\_\_
- \_\_contains\_array\_indexers\_\_=
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_get\_hash\_property\_\_
- \_\_id\_\_
- \_\_meta\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_reserved\_keys\_\_
- \_\_send\_\_
- \_\_set\_hash\_property\_\_
- \_\_supports\_ivars\_\_?
- \_\_touched\_\_
- \_\_touched\_\_=
- \_inspect """
- $\bullet$  and
- attributes
- block\_given?
- caller
- class
- class\_defined?
- clear!
- clone
- created\_at=
- created\_at\_elapsed
- define\_singleton\_method
- dig
- dup
- entity\_id
- entity\_type=
- enum\_for
- eql?
- equal?
- extend
- fail

- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- local\_variables
- loop
- meta
- method\_missing
- methods
- new\_entity
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- original\_eq\_eq
- p
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc

- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- set!
- singleton\_class
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- with\_meta
- yield\_self

# ${\bf Class:\ Object::} {\bf FFI::} {\bf MRB}$

\$ffi

- !=
- !~

- Array
- Float
- Hash • Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_

- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- $\bullet$  and
- block\_given?
- caller
- class
- class\_defined?
- clone
- define\_singleton\_method
- dig
- dup
- enum\_for
- eql?
- equal?
- eval
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- local\_variables
- loop
- method\_missing

- methods
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- parse
- print
- printf
- ullet private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- reload
- remove\_instance\_variable
- respond\_to?
- send
- singleton\_class
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- yield\_self

Class: Object::FFI::File

FFI::File

- !
- !=

- !~
- ==
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- $\bullet$  and
- block\_given?
- caller
- class
- class\_defined?
- clone
- define\_singleton\_method
- dig
- dup
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- hash
- here
- initialize
- initialize\_copy
- inspect

- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- loadfile
- local\_variables
- loop
- method\_missing
- methods
- mtime
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- singleton\_class
- singleton\_methods
- sprintf
- srand
- storefile
- tap

- then
- tick
- to\_enum
- to\_s
- yield\_self

# ${\bf OpenStructLite~for~} args.game$

args.game

- !
- ! =
- !~
- ==
- ===
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_contains\_array\_indexers\_\_
- \_\_contains\_array\_indexers\_\_=
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_get\_hash\_property\_\_
- \_\_id\_\_
- \_\_meta\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_reserved\_keys\_\_
- \_\_send\_\_
- \_\_set\_hash\_property\_\_
- \_\_supports\_ivars\_\_?
- \_\_touched\_\_
- \_\_touched\_\_=
- \_inspect
- """"
- $\bullet$  and
- attributes

- block\_given?
- caller
- class
- class\_defined?
- clear!
- clone
- created\_at\_elapsed
- define\_singleton\_method
- dig
- documenter\_success
- dup
- entity\_id
- enum\_for
- eql?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- local\_variables
- loop
- meta
- method\_missing
- methods

- new\_entity
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- original\_eq\_eq
- p
- print
- printf
- ullet private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- set!
- singleton\_class
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- tick\_count
- tick\_count=
- to\_enum
- to\_s
- with\_meta
- yield\_self

Class: Object::Module

GC

```
• !
```

- ! =
- !~

- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- alias\_method
- ancestors
- $\bullet$  and
- append\_features
- attr
- attr\_accessor
- attr\_reader
- attr\_writer
- block\_given?
- caller
- class
- class\_defined?
- class\_eval
- class\_exec
- class\_variable\_defined?
- class\_variable\_get
- class\_variable\_set
- class\_variables
- clone
- const\_defined?
- const\_get
- const\_missing
- const\_set
- constants

- define\_method
- define\_singleton\_method
- dig
- disable
- dup
- enable
- enum\_for
- eq1?
- equal?
- extend
- extend\_object
- extended
- fail
- fast rand
- format
- freeze
- frozen?
- generational\_mode
- generational\_mode=
- getc
- gets
- global\_variables
- hash
- here
- include
- include?
- included
- included\_modules
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- ullet instance\_methods
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- interval\_ratio
- interval\_ratio=
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda

- local\_variables
- loop
- method\_defined?
- method\_missing
- method\_removed
- methods
- module\_eval
- module\_exec
- module\_function
- name
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- prepend
- prepend\_features
- prepended
- print
- printf
- private
- private\_methods
- proc
- protected
- protected\_methods
- public
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_class\_variable
- remove\_const
- remove\_instance\_variable
- remove\_method
- respond\_to?
- send
- singleton\_class
- singleton\_class?
- singleton\_methods
- sprintf
- srand

- start
- step\_ratio
- step\_ratio=
- tap
- then
- tick
- to\_enum
- to\_s
- undef\_method
- yield\_self

Class: Object::Grid

args.grid

- !
- !~

- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_print\_origin\_help
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- $\bullet$  and
- block\_given?
- bottom
- bottom=

- caller
- class
- class\_defined?
- clone
- define\_singleton\_method
- dig
- dup
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- ł
- h\_half
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- left
- left=
- local\_variables
- loop
- method\_missing
- methods
- nil?
- numeric\_or\_default

- object\_id
- open
- or
- origin\_bottom\_left!
- origin\_center!
- origin\_x
- origin\_x=
- origin\_y
- origin\_y=
- p
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- rect
- rect=
- remove\_instance\_variable
- respond\_to?
- right
- right=
- send
- serialize
- singleton\_class
- singleton\_methods
- $\bullet$  sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- top
- top=
- transform\_angle
- transform\_rect
- transform\_x
- transform\_y

```
• W
```

- w\_half
- yield\_self

# Class: Object::IO

```
IO.new(IO.sysopen("/dev/tty", "w"), "w")
```

- !~
- <<

- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_\_update\_hash
- \_check\_readable
- \_inspect
- \_read\_buf
- all?
- and
- any?
- block\_given?
- caller
- class
- class\_defined?
- clone

- close
- close\_on\_exec=
- close\_on\_exec?
- close\_write
- closed?
- collect
- collect\_concat
- count
- cycle
- define\_singleton\_method
- detect
- dig
- drop
- drop\_while
- dup
- each
- each\_byte
- each\_char
- each\_cons
- each\_line
- each\_slice
- each\_with\_index
- each\_with\_object
- entries
- enum\_for
- eof
- eof?
- eql?
- equal?
- extend
- fail
- fast\_rand
- fileno
- find
- find\_all
- find\_index
- first
- flat\_map
- flush
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- grep

- group\_by
- hash
- here
- include?
- initialize
- initialize\_copy
- inject
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- isatty
- iterator?
- itself
- kind\_of?
- lambda
- lazy
- local\_variables
- loop
- map
- max
- max\_by
- member?
- method\_missing
- methods
- min
- min\_by
- minmax
- minmax\_by
- nil?
- none?
- numeric\_or\_default
- object\_id
- one?
- open
- or
- p
- partition
- pid
- pos
- pos=

- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- read
- readchar
- readline
- readlines
- reduce
- reject
- remove\_instance\_variable
- respond\_to?
- reverse\_each
- rewind
- seek
- select
- send
- singleton\_class
- singleton\_methods
- sort
- sort\_by
- sprintf
- srand
- sync
- sync=
- sysread
- sysseek
- syswrite
- take
- take\_while
- tap
- tell
- then
- tick
- to\_a
- to\_enum
- to\_h

- to\_i
- to\_s
- tty?
- ungetc
- uniq
- write
- yield\_self
- zip

Class: IO::File

```
File.open
```

- !
- ! =
- !~
- <<
- ==
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_\_update\_hash
- \_check\_readable
- \_inspect
- \_read\_buf """
- all?
- $\bullet$  and
- any?

- block\_given?
- caller
- class
- class\_defined?
- clone
- close
- close\_on\_exec=
- close\_on\_exec?
- close\_write
- closed?
- collect
- collect\_concat
- count
- cycle
- define\_singleton\_method
- detect
- dig
- drop
- drop\_while
- dup
- each
- each\_byte
- each\_char
- each\_cons
- each\_line
- each\_slice
- each\_with\_index
- $\bullet \ \, {\tt each\_with\_object}$
- entries
- enum\_for
- eof
- eof?
- eq1?
- equal?
- extend
- fail
- fast\_rand
- fileno
- find
- find\_all
- find\_index
- first
- flat\_map
- flock
- flush
- format

- freeze
- frozen?
- getc
- gets
- global\_variables
- grep
- group\_by
- hash
- here
- include?
- initialize
- initialize\_copy
- inject
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- isatty
- iterator?
- itself
- kind\_of?
- lambda
- lazy
- local\_variables
- loop
- map
- max
- max\_by
- member?
- method\_missing
- methods
- min
- min\_by
- minmax
- minmax\_by
- mtime
- nil?
- none?
- numeric\_or\_default
- object\_id
- one?

- open
- or
- p
- partition
- path
- path=
- pid
- pos
- pos=
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- read
- readchar
- readline
- readlines
- reduce
- reject
- remove\_instance\_variable
- respond\_to?
- reverse\_each
- rewind
- seek
- select
- send
- singleton\_class
- singleton\_methods
- sort
- sort\_by
- sprintf
- srand
- sync
- sync=
- sysread
- sysseek
- syswrite

- take
- take\_while
- tap
- tell
- then
- tick
- to\_a
- to\_enum
- to\_h
- to\_i
- to\_s
- tty?
- ungetc
- uniq
- write
- yield\_self
- zip

 ${\bf Class:\ Object::} {\bf DragonRuby View}$ 

### \$ layout

- !
- I=
- !~
- ==
- ===
- Array
- Float
- Hash
- Integer
- String\_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_files\_to\_reload
- \_\_highlights
- \_\_id\_\_
- \_\_init\_mtimes
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_

- \_\_printstr\_\_
- \_\_reload\_if\_needed
- \_\_reload\_repl\_file
- \_\_reload\_ruby\_file
- \_\_repl\_labels
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect """
- analog\_to\_perc
- and
- append\_buffer
- append\_current\_repl\_code
- append\_mini\_buffer\_code
- append\_repl\_code
- background\_color
- black
- blink\_cursor
- block\_given?
- borders
- button\_name\_given\_enum
- bye
- caller
- center\_aligned
- char\_with\_shift
- class
- class\_defined?
- clone
- color\_with\_perc\_towards
- current\_repl\_code\_index
- current\_repl\_code\_index=
- dark\_gray
- define\_singleton\_method
- dig
- dup
- enum\_for
- eql?
- equal?
- eval\_or\_create\_main\_rb
- exit\_mini\_buffer\_if\_needed
- extend
- fail
- fast\_rand
- ffi\_file
- ffi\_mrb
- font\_med

- format
- freeze
- frozen?
- get\_buffer
- get\_current\_repl\_code
- get\_mini\_buffer\_code
- get\_repl\_code
- getc
- gets
- global\_variables
- gray
- green
- gridline\_color
- gridline\_label\_color
- gridline\_label\_spacing\_x
- gridline\_label\_spacing\_y
- gridline\_spacing\_x
- gridline\_spacing\_y
- gridlines
- hash
- here
- hide\_repl
- highlights
- in\_game\_repl\_labels
- in\_game\_repl\_shown
- in\_game\_repl\_shown=
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- key\_down\_in\_game
- key\_down\_player\_one
- key\_down\_player\_two
- key\_down\_raw
- key\_down\_raw\_repl
- key\_down\_raw\_show\_hide\_mini\_buffer
- key\_down\_raw\_show\_hide\_repl

- key\_held\_player\_one
- key\_held\_player\_two
- key\_held\_raw
- key\_in\_game
- key\_up\_in\_game
- key\_up\_player\_one
- key\_up\_player\_two
- key\_up\_raw
- keyboard\_methods
- keyboard\_methods\_invalidate!
- kind\_of?
- labels
- labels\_with\_alpha
- lambda
- left\_aligned
- left\_analog\_x\_player\_1
- left\_analog\_x\_player\_2
- left\_analog\_y\_player\_1
- left\_analog\_y\_player\_2
- light\_gray
- lines
- local\_variables
- loop
- method\_missing
- methods
- mini\_buffer\_enabled?
- mini\_buffer\_label
- mouse\_move
- mouse\_pressed
- mouse\_up
- nil?
- numeric\_or\_default
- object\_id
- on\_reload
- on\_startup
- open
- or
- p
- passes
- prepend\_buffer
- prepend\_current\_repl\_code
- pretty\_print\_exception\_and\_export!
- primitives
- print
- print\_help\_when\_mouse\_clicked
- printf

- private\_methods
- proc
- process\_mini\_buffer
- process\_repl
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- queue\_flash
- queue\_music
- queue\_sound
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- really\_light\_gray
- red
- remove\_instance\_variable
- render\_height
- render\_width
- repl\_before\_after\_cursor
- repl\_clear
- repl\_code\_labels
- repl\_code\_line
- repl\_code\_lines
- repl\_cursor\_down
- repl\_cursor\_index
- repl\_cursor\_key
- repl\_cursor\_left
- repl\_cursor\_location
- repl\_cursor\_location\_shifted
- repl\_cursor\_right
- repl\_cursor\_up
- repl\_cursor\_width
- repl\_dismissed
- repl\_enabled?
- repl\_eval\_buffer
- repl\_eval\_mini\_buffer
- repl\_file\_name
- repl\_instructions
- repl\_labels
- repl\_line\_numbers
- repl\_load
- repl\_ordinal\_cursor
- repl\_save

- repl\_set\_cursor
- repl\_shown
- repl\_text\_color
- repl\_text\_font
- repl\_tick
- respond\_to?
- right\_aligned
- right\_analog\_x\_player\_1
- right\_analog\_x\_player\_2
- right\_analog\_y\_player\_1
- right\_analog\_y\_player\_2
- send
- set\_buffer
- set\_current\_repl\_code
- set\_key
- set\_mini\_buffer\_code
- set\_repl\_code
- show\_cursor?
- show\_repl
- singleton\_class
- singleton\_methods
- sounds
- sprintf
- sprites
- srand
- stop\_music
- take\_screenshot
- tap
- target
- text\_color
- text\_font
- textures
- textures=
- then
- tick
- tick\_flashes
- time\_per\_tick
- to\_enum
- to\_s
- white
- $\bullet \ \, {\tt window\_keyboard\_focus\_changed}$
- window\_mouse\_focus\_changed
- yield\_self

### Class: Object::Outputs

```
args.outputs\\
```

```
• !
! =
• Array
• Float
• Hash
• Integer
• String
• __caller_without_noise__
• __case_eqq
• __dragon_ruby_source_files__
• __dragon_ruby_string_contains_source_file_path__?
• __id__
• __method__
• __pretty_print_exception__
• __printstr__
• __send__
• __supports_ivars__?
• _inspect
• all_borders
• all_labels
• all_lines
• all_primitives
• all_solids
• all_sounds
• all_sprites
\bullet and
• block_given?
• borders
• borders=
• caller
• class
• class_defined?
• clear
• clone
```

• define\_singleton\_method

digdupenum\_for

- eq1?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- hash
- height
- height=
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- labels
- labels=
- lambda
- lines
- lines=
- local\_variables
- loop
- method\_missing
- methods
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- primitives
- primitives=

- print
- printf
- private\_methods
- proc
- ullet protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- $\bullet$  rand
- remove\_instance\_variable
- respond\_to?
- send
- serialize
- singleton\_class
- singleton\_methods
- solids
- solids=
- sounds
- sounds=
- sprintf
- sprites
- sprices
- sprites=
- srand
- static\_borders
- static\_borders=
- static\_labels
- static\_labels=
- static\_lines
- static\_lines=
- ullet static\_primitives
- static\_primitives=
- static\_solids
- static\_solids=
- static\_sprites
- static\_sprites=
- tap
- target
- target=
- then
- tick
- to\_enum
- to\_s

```
• width
```

- width=
- yield\_self

# Class: Object::Array

```
args.passes
```

- !
- !=
- !~
- &
- \*
- +
- •
- <<
- <=>
- ==
- ===
- Array
- Float
- Hash
- Integer
- String
- []
- []=
- \_\_ary\_cmp
- \_\_ary\_eq
- \_\_ary\_index
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_sort\_sub\_\_
- \_\_supports\_ivars\_\_?
- \_\_svalue
- \_\_update\_hash

- \_inspect
- a
- a=
- all?
- $\bullet$  and
- angle
- angle=
- angle\_given\_point
- any?
- append
- assoc
- at
- block\_given?
- bottom
- bsearch
- bsearch\_index
- caller
- center\_inside\_rect
- class
- class\_defined?
- clear
- clone
- collect
- collect!
- collect\_concat
- combination
- compact
- compact!
- concat
- count
- cycle
- define\_singleton\_method
- delete
- delete\_at
- delete\_if
- detect
- dig
- draw\_primitive\_marker?
- drop
- drop\_while
- dup
- each
- each\_cons
- each\_index
- each\_slice

- each\_with\_index
- each\_with\_object
- empty?
- entries
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- fetch
- fill
- find
- find\_all
- find\_index
- first
- flat\_map
- flatten
- flatten!
- flatten\_tuples
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- grep
- group\_by
- h
- h\_half
- has\_nested\_arrays?
- hash
- height
- height\_half
- here
- include?
- index
- initialize
- initialize\_copy
- inject
- insert
- inside\_rect?
- inspect
- instance\_eval
- instance\_exec
- instance\_of?

- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- intersects\_rect?
- is\_a?
- iterator?
- itself
- join
- keep\_if
- kind\_of?
- lambda
- last
- lazy
- left
- length
- local\_variables
- loop
- map
- map!
- max
- max\_by
- member?
- method\_missing
- methods
- min
- min\_by
- minmax
- minmax\_by
- nil?
- none?
- numeric\_or\_default
- object\_id
- one?
- open
- or
- p
- pack
- pairs\_to\_hash
- partition
- path
- permutation
- point
- pop
- prepend
- print

- printf
- private\_methods
- proc
- product
- protected\_methods
- public\_methods
- purge\_class
- push
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- rassoc
- rect
- rect\_offset
- rect\_shift\_down
- rect\_shift\_left
- rect\_shift\_right
- rect\_shift\_up
- reduce
- reject
- reject!
- reject\_false
- reject\_nil
- remove\_instance\_variable
- replace
- respond\_to?
- reverse
- reverse!
- reverse\_each
- right
- rindex
- rotate
- rotate!
- sample
- scale\_rect
- select
- select!
- self\_rect
- send
- serialize
- shift
- shuffle
- shuffle!

- singleton\_class
- singleton\_methods
- size
- slice
- slice!
- sort
- sort!
- sort\_by
- sprintf
- srand
- take
- take\_while
- tap
- text
- then
- tick
- to\_a
- to\_a\_pairs
- to\_ary
- to\_enum
- to\_h
- to\_s
- top
- transpose
- uniq
- uniq!
- unshift
- values\_at
- W
- w\_half
- width
- width\_half
- X
- x2
- x=
- y
- y2
- y=
- yield\_self
- zip
- |

# ${\bf Class:\ Object:: Primitive}$

### Primitive.new

getcgets

```
• !
! =
• Array
• Float
• Hash
• Integer
• String
• __caller_without_noise__
• __case_eqq
• __dragon_ruby_source_files__
• __dragon_ruby_string_contains_source_file_path__?
• __id__
• __method__
• __pretty_print_exception__
• __printstr__
• __send__
• __supports_ivars__?
• _inspect
• """
\bullet and
• block_given?
• caller
• class
• class_defined?
• clone
• define_singleton_method
• dig
• dup
• enum_for
• eql?
• equal?
• extend
• fail
• fast_rand
• format
• freeze
• frozen?
```

- global\_variables
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- local\_variables
- loop
- method\_missing
- methods
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- ullet raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- $\bullet$  send
- serialize
- singleton\_class

- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- yield\_self

## Class: Primitive::Border

Border.new

- !
- ! =
- !~

- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect

- a= • and
- b
- b=
- block\_given?

- caller
- class
- class\_defined?
- clone
- define\_singleton\_method
- dig
- dup
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- g
- g=
- getc
- gets
- global\_variables
- h
- h=
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- local\_variables
- loop
- method\_missing
- methods
- nil?
- numeric\_or\_default

- object\_id
- open
- or
- p
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- r
- r=
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- serialize
- singleton\_class
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- valid?
- validate!
- . T.
- w=
- X
- x=
- y
- y=
- yield\_self

## Class: Primitive::Label

### Label.new

enum\_foreql?equal?extendfail

• ! ! = • Array • Float • Hash • Integer • String • \_\_caller\_without\_noise\_\_ • \_\_case\_eqq • \_\_dragon\_ruby\_source\_files\_\_ • \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_? • \_\_id\_\_ • \_\_method\_\_ • \_\_pretty\_print\_exception\_\_ • \_\_printstr\_\_ • \_\_send\_\_ • \_\_supports\_ivars\_\_? • \_inspect • """ • alignment\_enum • alignment\_enum= • and • b • b= • block\_given? • caller • class • class\_defined? • clone • define\_singleton\_method • dig • dup

- fast\_rand
- font
- font=
- format
- freeze
- frozen?
- g
- g=
- getc
- gets
- global\_variables
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- local\_variables
- loop
- method\_missing
- methods
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts

- putsc
- r
- r=
- raise
- $\bullet \ \ \, {\tt raise\_method\_missing\_better\_error}$
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- serialize
- singleton\_class
- singleton\_methods
- size\_enum
- size\_enum=
- sprintf
- srand
- tap
- text
- text=
- -
- then
- tick
- to\_enum
- to\_s
- valid?
- validate!
- x
- x=
- y
- y=
- yield\_self

Class: Primitive::Line

Line.new

- !
- !=
- !~
- ==
- ===
- Array

- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- \_ (((((
- a
- a=
- $\bullet$  and
- b
- b=
- block\_given?
- caller
- class
- class\_defined?
- clone
- define\_singleton\_method
- dig
- dup
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- g
- g=
- getc
- gets
- global\_variables
- hash
- here
- initialize

- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- local\_variables
- loop
- method\_missing
- methods
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- r
- r=
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- serialize
- singleton\_class
- singleton\_methods
- sprintf

- srand
- tap
- then
- tick
- to\_enum
- to\_s
- x
- x2
- x2=
- x=
- y
- y2
- y2=
- y=
- yield\_self

Class: Primitive::Solid

Solid.new

- !
- ! =
- !~
- ==
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- · \_inspect

- a
- a=
- and
- b
- b=
- block\_given?
- caller
- class
- class\_defined?
- clone
- $\bullet \ \ \texttt{define\_singleton\_method}$
- dig
- dup
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- g
- g=
- getc
- gets
- global\_variables
- h
- h=
- hash
- here
- $\bullet \ \ {\tt initialize}$
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- $\bullet \ \ instance\_variable\_set$
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda

- local\_variables
- loop
- method\_missing
- methods
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- r
- r=
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- serialize
- singleton\_class
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- valid?
- validate!
- W
- w=
- X
- x=
- y
- y=

• yield\_self

Top

# Class: Primitive::Sprite

```
Sprite.new
```

```
• !
```

- ===
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect

- $\bullet$  and
- angle
- angle=
- b=
- block\_given?
- caller
- class
- class\_defined?
- clone
- define\_singleton\_method
- dig

- dpx
- dpx=
- dpy
- dpy=
- dup
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- fliphorz
- fliphorz=
- flipvert
- flipvert=
- format
- freeze
- frozen?
- g
- g=
- getc
- gets
- global\_variables
- h
- h=
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- local\_variables
- loop
- method\_missing
- methods

- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- path
- path=
- print
- printf
- ullet private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- r
- r=
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- serialize
- sh
- sh=
- singleton\_class
- singleton\_methods
- sprintf
- srand
- SW
- sw=
- sx
- sx=
- sy
- sy=
- tap
- then
- tick
- to\_enum
- to\_s
- W
- w=

```
xx=yy=
```

• yield\_self

Top

# Class: Object::Inputs

```
args.inputs\\
```

```
• !
```

- !=
- !~
- ==
- ==:
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- . .....
- $\bullet$  and
- block\_given?
- caller
- class
- class\_defined?
- clone
- controller\_one
- controller\_two
- controllers
- controllers=

- define\_singleton\_method
- dig
- dup
- enum\_for
- eql?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- $\bullet \ \ instance\_variable\_get$
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- keyboard
- keyboard=
- kind\_of?
- lambda
- local\_variables
- loop
- method\_missing
- methods
- mouse
- mouse=
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p

- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- serialize
- singleton\_class
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- yield\_self

 ${\bf Class:\ Object:: Controller}$ 

 $args.inputs.controller\_one$ 

- !
- !=
- !~
- ===
- Array
- Float
- Hash
- Integer
- String

- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- $\bullet$  and
- block\_given?
- caller
- class
- class\_defined?
- clear
- clone
- define\_singleton\_method
- dig
- dup
- enum\_for
- eql?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables

- is\_a?
- iterator?
- itself
- key\_down
- key\_down=
- key\_held
- key\_held=
- key\_up
- key\_up=
- kind\_of?
- lambda
- left\_analog\_x\_perc
- left\_analog\_x\_perc=
- left\_analog\_x\_raw
- left\_analog\_x\_raw=
- left\_analog\_y\_perc
- left\_analog\_y\_perc=
- left\_analog\_y\_raw
- left\_analog\_y\_raw=
- left\_right
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- local\_variables
- loop
- method\_missing
- methods
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- print
- printf
- $\bullet$  private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?

```
• right_analog_x_perc
```

- right\_analog\_x\_perc=
- right\_analog\_x\_raw
- right\_analog\_x\_raw=
- right\_analog\_y\_perc
- right\_analog\_y\_perc=
- right\_analog\_y\_raw
- right\_analog\_y\_raw=
- send
- serialize
- singleton\_class
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- up\_down
- up\_down=
- yield\_self

Class: Object::Controller

 $args.inputs.controller\_two$ 

- ===
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_

- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- $\bullet$  and
- block\_given?
- caller
- class
- class\_defined?
- clear
- clone
- define\_singleton\_method
- dig
- dup
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- key\_down
- key\_down=

- key\_held
- key\_held=
- key\_up
- key\_up=
- kind\_of?
- lambda
- left\_analog\_x\_perc
- left\_analog\_x\_perc=
- left\_analog\_x\_raw
- left\_analog\_x\_raw=
- left\_analog\_y\_perc
- left\_analog\_y\_perc=
- left\_analog\_y\_raw
- left\_analog\_y\_raw=
- left\_right
- left\_right=
- local\_variables
- loop
- method\_missing
- methods
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- right\_analog\_x\_perc
- right\_analog\_x\_perc=
- right\_analog\_x\_raw
- right\_analog\_x\_raw=
- right\_analog\_y\_perc

- right\_analog\_y\_perc=
- right\_analog\_y\_raw
- right\_analog\_y\_raw=
- send
- serialize
- singleton\_class
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- up\_down
- up\_down=
- yield\_self

Class: Object::Array

args.inputs.controllers

- •
- I=
- I~
- &
- \*
- +
- -
- <</li><=>
- ==
- ===
- Array
- Float
- Hash
- Integer
- String
- []
- []=
- \_\_ary\_cmp
- \_\_ary\_eq

- \_\_ary\_index
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_sort\_sub\_\_
- \_\_supports\_ivars\_\_?
- \_\_svalue
- \_\_update\_hash
- \_inspect
- \_ ((((
- a
- a=
- all?
- $\bullet$  and
- angle
- angle=
- angle\_given\_point
- any?
- append
- assoc
- at
- block\_given?
- bottom
- bsearch
- bsearch\_index
- caller
- center\_inside\_rect
- class
- class\_defined?
- clear
- clone
- collect
- collect!
- collect\_concat
- combination
- compact
- compact!
- concat
- count
- cycle

- define\_singleton\_method
- delete
- delete\_at
- delete\_if
- detect
- dig
- draw\_primitive\_marker?
- drop
- drop\_while
- dup
- each
- each\_cons
- each\_index
- each\_slice
- each\_with\_index
- each\_with\_object
- empty?
- entries
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- fetch
- fill
- find
- find\_all
- find\_index
- first
- flat\_map
- $\bullet$  flatten
- flatten!
- flatten\_tuples
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- grep
- group\_by
- h
- h\_half
- has\_nested\_arrays?
- hash

- height
- height\_half
- here
- include?
- index
- initialize
- initialize\_copy
- inject
- insert
- inside\_rect?
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- intersects\_rect?
- is\_a?
- iterator?
- itself
- join
- keep\_if
- kind\_of?
- lambda
- last
- lazy
- left
- length
- local\_variables
- loop
- map
- map!
- max
- max\_by
- member?
- method\_missing
- methods
- min
- min\_by
- minmax
- minmax\_by
- nil?
- none?
- numeric\_or\_default

- object\_id
- one?
- open
- or
- p
- pack
- pairs\_to\_hash
- partition
- path
- permutation
- point
- pop
- prepend
- print
- printf
- private\_methods
- proc
- product
- protected\_methods
- public\_methods
- purge\_class
- push
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- rassoc
- rect
- rect\_offset
- rect\_shift\_down
- rect\_shift\_left
- rect\_shift\_right
- rect\_shift\_up
- reduce
- reject
- reject!
- reject\_false
- reject\_nil
- remove\_instance\_variable
- replace
- respond\_to?
- reverse
- reverse!
- reverse\_each

- right
- rindex
- rotate
- rotate!
- sample
- scale\_rect
- select
- select!
- self\_rect
- send
- serialize
- shift
- shuffle
- shuffle!
- singleton\_class
- singleton\_methods
- size
- slice
- slice!
- sort
- sort!
- sort\_by
- sprintf
- srand
- take
- take\_while
- tap
- text
- then
- tick
- to\_a
- to\_a\_pairs
- to\_ary
- to\_enum
- to\_h
- to\_s
- top
- transpose
- uniq
- uniq!
- unshift
- values\_at
- W
- w\_half
- width
- width\_half

```
x
x2
x=
y
y2
y=
yield_self
zip
|
```

# Class: Object::Keyboard

args.inputs.keyboard

• clear

```
! =
• Array
• Float
• Hash
• Integer
• String
• __caller_without_noise__
• __case_eqq
• __dragon_ruby_source_files__
• __dragon_ruby_string_contains_source_file_path__?
• __id__
• __method__
• __pretty_print_exception__
• __printstr__
• __send__
• __supports_ivars__?
• _inspect
\bullet and
• block_given?
• caller
• class
• class_defined?
```

- clone
- define\_singleton\_method
- dig
- dup
- $\bullet$  enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- has\_focus
- has\_focus=
- hash
- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- key\_down
- key\_down=
- key\_held
- key\_held=
- key\_up
- key\_up=
- kind\_of?
- lambda
- left\_right
- local\_variables
- loop
- method\_missing
- methods

- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand
- remove\_instance\_variable
- respond\_to?
- send
- serialize
- singleton\_class
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- yield\_self

Class: Object::Mouse

args.inputs.mouse

- !
- ! =
- !~
- ==

- ===
- Array
- Float
- Hash
- Integer
- String
- \_\_caller\_without\_noise\_\_
- \_\_case\_eqq
- \_\_dragon\_ruby\_source\_files\_\_
- \_\_dragon\_ruby\_string\_contains\_source\_file\_path\_\_?
- \_\_id\_\_
- \_\_method\_\_
- \_\_pretty\_print\_exception\_\_
- \_\_printstr\_\_
- \_\_send\_\_
- \_\_supports\_ivars\_\_?
- \_inspect
- $\bullet$  and
- block\_given?
- caller
- class
- class\_defined?
- clear
- click
- click=
- clone
- define\_singleton\_method
- dig
- down
- dup
- enum\_for
- eq1?
- equal?
- extend
- fail
- fast\_rand
- format
- freeze
- frozen?
- getc
- gets
- global\_variables
- has\_focus
- has\_focus=
- hash

- here
- initialize
- initialize\_copy
- inspect
- instance\_eval
- instance\_exec
- instance\_of?
- instance\_variable\_defined?
- instance\_variable\_get
- instance\_variable\_set
- instance\_variables
- is\_a?
- iterator?
- itself
- kind\_of?
- lambda
- local\_variables
- loop
- method\_missing
- methods
- moved
- moved=
- moved\_at
- moved\_at=
- nil?
- numeric\_or\_default
- object\_id
- open
- or
- p
- position
- previous\_click
- previous\_click=
- print
- printf
- private\_methods
- proc
- protected\_methods
- public\_methods
- purge\_class
- puts
- putsc
- raise
- raise\_method\_missing\_better\_error
- raise\_with\_caller
- rand

- remove\_instance\_variable
- respond\_to?
- send
- serialize
- $\bullet \ \, {\tt singleton\_class}$
- singleton\_methods
- sprintf
- srand
- tap
- then
- tick
- to\_enum
- to\_s
- up
- up=
- X
- x=
- y
- y=
- yield\_self