

NAME

Moose::Autobox::Array – the Array role

VERSION

version 0.16

SYNOPSIS

```
use Moose::Autobox;

[ 1..5 ]->isa('ARRAY'); # true
[ a..z ]->does('Moose::Autobox::Array'); # true
[ 0..2 ]->does('Moose::Autobox::List'); # true

print "Squares: " . [ 1 .. 10 ]->map(sub { $_ * $_ }->join(', '));

print [ 1, 'number' ]->sprintf('%d is the loneliest %s');

print ([ 1 .. 5 ]->any == 3) ? 'true' : 'false'; # prints 'true'
```

DESCRIPTION

This is a role to describe operations on the Array type.

METHODS

```
pop
push ($value)
shift
unshift ($value)
delete ($index)
sprintf ($format_string)
slice (@indices)
flatten
flatten_deep ($depth)
first
last
```

Indexed implementation

```
at ($index)
put ($index, $value)
exists ($index)
keys
values
kv
each
each_key
each_value
each_n_values ($n, $callback)
```

List implementation

```
head
tail
join (?$separator)
length
map (\&block)
grep (\&block)
```

Note that, in both the above, `$_` is in scope within the code block, as well as being passed as `$_[0]`. As per `CORE::map` and `CORE::grep`, `$_` is an alias to the list value, so can be used to modify the list, viz:

```
use Moose::Autobox;

my $foo = [1, 2, 3];
$foo->map( sub {$_++} );
print $foo->dump;
```



```
        yields
            $VAR1 = [
                2,
                3,
                4
            ];
        reverse
        sort (?\&block)
```

Junctions

```
all
any
none
one
meta
print
say
```

SUPPORT

Bugs may be submitted through the RT bug tracker <https://rt.cpan.org/Public/Dist/Display.html?Name=Moose-Autobox> (or bug-Moose-Autobox AT rt DOT cpan DOT org <mailto:bug-Moose-Autobox AT rt DOT cpan DOT org>).

There is also a mailing list available for users of this distribution, at <http://lists.perl.org/list/moose.html>.

There is also an irc channel available for users of this distribution, at #moose on [irc.perl.org](irc://irc.perl.org/#moose) <irc://irc.perl.org/#moose>.

AUTHOR

Stevan Little <stevan DOT little AT iinteractive DOT com>

COPYRIGHT AND LICENSE

This software is copyright (c) 2006 by Infinity Interactive, Inc.

This is free software; you can redistribute it and/or modify it under the same terms as the Perl 5 programming language system itself.

