

The Alexandria+ Reference Manual

A conservative set of extensions to Alexandria utilities, version 1.1

Steven Nunez <steve@symbolics.tech>

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1 Systems

The main system appears first, followed by any subsystem dependency.

1.1 alexandria+

Author Steven Nunez <steve@symbolics.tech>

Home Page
<https://github.com/symbolics/alexandria+>

License MS-PL

Description
A conservative set of extensions to Alexandria utilities.

Long Description
Utilities not in Alexandria, UIOP or OSICAT.

Version 1.1

Dependency
alexandria

Source [alexandria+.asd], page 3, (file)

Directory s:/src/alexandria+/

Components

- [pkgdcl.lisp], page 3, (file)
- [lists.lisp], page 3, (file)
- [types.lisp], page 3, (file)

2 Files

Files are sorted by type and then listed depth-first from the systems components trees.

2.1 Lisp

2.1.1 alexandria+.asd

Location alexandria+.asd

Systems [alexandria+], page 1, (system)

2.1.2 alexandria+/pkgdcl.lisp

Parent [alexandria+], page 1, (system)

Location pkgdcl.lisp

Packages [alexandria+], page 5,

2.1.3 alexandria+/lists.lisp

Parent [alexandria+], page 1, (system)

Location lists.lisp

Exported Definitions

- [alist], page 7, (type)
- [alist-keys], page 7, (function)
- [alist-values], page 7, (function)
- [alistp], page 7, (function)
- [cdr-assoc], page 7, (function)
- [defprop], page 7, (macro)
- [plist], page 8, (type)
- [plistp], page 7, (function)

Internal Definitions

 [*assoc-test*], page 8, (special variable)

2.1.4 alexandria+/types.lisp

Parent [alexandria+], page 1, (system)

Location types.lisp

Exported Definitions

- [percentage], page 8, (type)
- [probability], page 8, (type)

3 Packages

Packages are listed by definition order.

3.1 alexandria+

Source `[pkgdcl.lisp]`, page 3, (file)

Use List `common-lisp`

Exported Definitions

- `[alist]`, page 7, (type)
- `[alist-keys]`, page 7, (function)
- `[alist-values]`, page 7, (function)
- `[alistp]`, page 7, (function)
- `[cdr-assoc]`, page 7, (function)
- `[defprop]`, page 7, (macro)
- `[percentage]`, page 8, (type)
- `[plist]`, page 8, (type)
- `[plistp]`, page 7, (function)
- `[probability]`, page 8, (type)

Internal Definitions

`[*assoc-test*]`, page 8, (special variable)

4 Definitions

Definitions are sorted by export status, category, package, and then by lexicographic order.

4.1 Exported definitions

4.1.1 Macros

defprop *SYMBOL VALUE INDICATOR* [Macro]

Gives *SYMBOL* an *INDICATOR* property of *VALUE*.

After this is done (CL:GET symbol indicator) returns *VALUE*

Package [alexandria+], page 5,

Source [lists.lisp], page 3, (file)

4.1.2 Functions

alist-keys *ALIST* [Function]

Returns a list of the keys in *ALIST*.

Package [alexandria+], page 5,

Source [lists.lisp], page 3, (file)

alist-values *ALIST* [Function]

Returns a list of the values in *ALIST*.

Package [alexandria+], page 5,

Source [lists.lisp], page 3, (file)

alistp *VALUE* [Function]

Returns T if *VALUE* is an ALIST.

Package [alexandria+], page 5,

Source [lists.lisp], page 3, (file)

cdr-assoc *ITEM ALIST* [Function]

Return the value associated with *ITEM* in *ALIST*.

Package [alexandria+], page 5,

Source [lists.lisp], page 3, (file)

plistp *VALUE* [Function]

Returns *VALUE* if it is a properly formed PLIST, NIL otherwise.

Package [alexandria+], page 5,

Source [lists.lisp], page 3, (file)

4.1.3 Types

alist () [Type]

Type designator for ALIST. Implemented as a SATISFIES type, hence not recommended for performance intensive use. Main usefulness as a type designator of the expected type in a TYPE-ERROR.

Package [alexandria+], page 5,

Source [lists.lisp], page 3, (file)

percentage () [Type]

A number between 0 and 100

Package [alexandria+], page 5,

Source [types.lisp], page 3, (file)

plist () [Type]

Type designator for PLIST. Implemented as a SATISFIES type, hence not recommended for performance intensive use. Main usefulness as a type designator of the expected type in a TYPE-ERROR.

Package [alexandria+], page 5,

Source [lists.lisp], page 3, (file)

probability () [Type]

A number between 0 and 1

Package [alexandria+], page 5,

Source [types.lisp], page 3, (file)

4.2 Internal definitions

4.2.1 Special variables

assoc-test [Special Variable]

Global equality test for assoc

Package [alexandria+], page 5,

Source [lists.lisp], page 3, (file)

Appendix A Indexes

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