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Copying

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1 Systems

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

1.1 alexandria+

A conservative set of extensions to Alexandria utilities.

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Home Page

https://github.com/symbolics/alexandria+

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Long Description

Utilities not in Alexandria, UIOP or OSICAT.

 $\textbf{Version} \qquad 1.0.0$

Dependency

alexandria (system).

Source [alexandria+.asd], page 5.

Child Components

- [pkgdcl.lisp], page 5 (file).
- [lists.lisp], page 5 (file).
- [types.lisp], page 5 (file).
- [control-flow.lisp], page 6 (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+/alexandria+.asd

Source [alexandria+.asd], page 5.

Parent Component

[alexandria+], page 3 (system).

ASDF Systems

[alexandria+], page 3.

2.1.2 alexandria+/pkgdcl.lisp

Source [alexandria+.asd], page 5.

Parent Component

[alexandria+], page 3 (system).

Packages [alexandria+], page 7.

2.1.3 alexandria+/lists.lisp

Source [alexandria+.asd], page 5.

Parent Component

[alexandria+], page 3 (system).

Public Interface

- [alist], page 10 (type).
- [alist-keys], page 9 (function).
- [alist-values], page 9 (function).
- [alistp], page 9 (function).
- [defprop], page 9 (macro).
- [plist], page 10 (type).
- [plist-keys], page 9 (function).
- [plist-values], page 9 (function).
- [plistp], page 9 (function).

2.1.4 alexandria+/types.lisp

Source [alexandria+.asd], page 5.

Parent Component

[alexandria+], page 3 (system).

Public Interface

- [percentage], page 10 (type).
- [probability], page 10 (type).

$2.1.5 \ {\tt alexandria+/control-flow.lisp}$

Source [alexandria+.asd], page 5.

Parent Component

[alexandria+], page 3 (system).

Public Interface

[unlessf], page 9 (macro).

3 Packages

Packages are listed by definition order.

3.1 alexandria+

Source [pkgdcl.lisp], page 5.

Use List

- alexandria.
- common-lisp.

Used By List

- data-frame.
- plot.

Public Interface

- [alist], page 10 (type).
- [alist-keys], page 9 (function).
- [alist-values], page 9 (function).
- [alistp], page 9 (function).
- [defprop], page 9 (macro).
- [percentage], page 10 (type).
- [plist], page 10 (type).
- [plist-keys], page 9 (function).
- [plist-values], page 9 (function).
- [plistp], page 9 (function).
- [probability], page 10 (type).
- [unlessf], page 9 (macro).

[Function]

4 Definitions

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

4.1 Public Interface

plistp (value &key allow-symbol-keys)

Package Source [alexandria+], page 7.

[lists.lisp], page 5.

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

If ALLOW-SYMBOL-KEYS is not nil, keys may be either symbols or keywords

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 7. Source [lists.lisp], page 5. unlessf (place value-form) [Macro] When PLACE is NIL, evaluate VALUE-FORM and save it there. **Package** [alexandria+], page 7. Source [control-flow.lisp], page 6. 4.1.2 Ordinary functions [Function] alist-keys (alist) Returns a list of the keys in ALIST. [alexandria+], page 7. **Package** Source [lists.lisp], page 5. alist-values (alist) [Function] Returns a list of the values in ALIST. **Package** [alexandria+], page 7. Source [lists.lisp], page 5. [Function] alistp (value) Returns T if VALUE is an ALIST. **Package** [alexandria+], page 7. Source [lists.lisp], page 5. plist-keys (plist) [Function] Return the keys of PLIST **Package** [alexandria+], page 7. Source [lists.lisp], page 5. plist-values (plist) [Function] Return the values of PLIST **Package** [alexandria+], page 7. [lists.lisp], page 5. Source

4.1.3 Types

alist ()

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

Package [alexandria+], page 7.

Source [lists.lisp], page 5.

percentage ()

A number between 0 and 100

Package [alexandria+], page 7.

Source [types.lisp], page 5.

plist () [Type]

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

Package [alexandria+], page 7.

Source [lists.lisp], page 5.

probability () [Type]

A number between 0 and 1

Package [alexandria+], page 7.

Source [types.lisp], page 5.

Appendix A Indexes

A.1 Concepts

(Index is nonexistent)

A.2 Functions

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Function, plistp9		

A.3 Variables

 $({\rm Index}\ {\rm is}\ {\rm nonexistent})$

A.4 Data types

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$\verb alexandria+.asd$	percentage 10
alist	pkgdcl.lisp 5 plist 10
\mathbf{C}	probability
$\verb control-flow.lisp$	
	\mathbf{S}
F	
File, alexandria+.asd 5	System, alexandria+
File, control-flow.lisp	
File, lists.lisp	
File, pkgdcl.lisp	${f T}$
File, types.lisp	Type, alist
	Type, percentage
т	Type, plist
L	Type, probability
lists.lisp 5	types.lisp