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Table of Contents

C	Copying	1
1	Systems	3
	1.1 alexandria+	
2	Files	5
	2.1 Lisp	5
	2.1.1 alexandria+/alexandria+.asd	
	2.1.2 alexandria+/pkgdcl.lisp	
	2.1.3 alexandria+/lists.lisp	
	2.1.4 alexandria+/types.lisp	5
	2.1.5 alexandria+/numbers.lisp	6
	2.1.6 alexandria+/control-flow.lisp	6
3	Packages	7
	3.1 alexandria+	
4	Definitions	9
	4.1 Public Interface	
	4.1.1 Macros	
	4.1.2 Ordinary functions	
	4.1.3 Types	
A	Appendix A Indexes	11
	A.1 Concepts	
	A.2 Functions	
	A.3 Variables.	
	A.4 Data types	

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+

License MS-PL

Long Description

Utilities not in Alexandria, UIOP or OSICAT.

 $\textbf{Version} \qquad 1.1.0$

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).
- [numbers.lisp], page 6 (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 10 (function).
- [plistp], page 10 (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 alexandria+/numbers.lisp

Source [alexandria+.asd], page 5.

Parent Component

[alexandria+], page 3 (system).

Public Interface

[multf], page 9 (macro).

2.1.6 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.
- num-utils.arithmetic.
- num-utils.quadrature.
- special-functions.

Public Interface

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

4 Definitions

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

4.1 Public Interface

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.

multf (place coefficient)

[Macro]

Multiply place by COEFFICIENT.

Package [alexandria+], page 7.

Source [numbers.lisp], page 6.

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

alist-keys (alist)

[Function]

Returns a list of the keys in ALIST.

Package [alexandria+], page 7.

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.

alistp (value)

[Function]

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.

Source

[types.lisp], page 5.

plist-values (plist) [Function] Return the values of PLIST [alexandria+], page 7. **Package** Source [lists.lisp], page 5. plistp (value & key allow-symbol-keys) [Function] 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 **Package** [alexandria+], page 7. Source [lists.lisp], page 5. **4.1.3** Types alist () [Type] 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 () [Type] A number between 0 and 100 [alexandria+], page 7. **Package** 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. [alexandria+], page 7. **Package** [lists.lisp], page 5. Source [Type] probability () A number between 0 and 1 **Package** [alexandria+], page 7.

Appendix A Indexes

A.1 Concepts

(Index is nonexistent)

A.2 Functions

\mathbf{A}	${f M}$
alist-keys	Macro, defprop 9 Macro, multf 9
alistp 9	Macro, unlessf 9 multf 9
D	
defprop9	P
${f F}$	plist-keys 9 plist-values 10
Function, alist-keys9	plistp
Function, alist-values 9	
Function, alistp 9	
Function, plist-keys9	IT
Function, plist-values	O
Function, plistp	unlessf 9

A.3 Variables

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

A.4 Data types

\mathbf{A}	N
alexandria+	numbers.lisp6
alist	P
\mathbf{C}	Package, alexandria+7
control-flow.lisp6	percentage 10 pkgdcl.lisp 5 plist 10 probability 10
\mathbf{F}	
File, alexandria+.asd	\mathbf{S}
$ \begin{array}{llllllllllllllllllllllllllllllllllll$	System, alexandria+
File, numbers.lisp	T.
File, pkgdcl.lisp	${f T}$
1110, 0Jp051115p	Type, alist
	Type, percentage
\mathbf{L}	Type, plist
-	Type, probability
lists.lisp5	types.lisp 5