The Alexandria+ Reference Manual

A conservative set of extensions to Alexandria utilities, version 1.1

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1 Systems

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

1.1 alexandria+

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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

Used By List
alexandria+/tests

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 usefullness 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 usefullness 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

A.1 Concepts

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`alexandria+/types.lisp` 3

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