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Autodoc

- highlighting of &key parameters
Autodoc (cont..)

- highlighting of parameters in nested arglists
Named-Readtables

- package-like namespace for readtables

```lisp
(in-readtable clpython:python-syntax)

def fix (f, init):
    while True:
        init = f(init)
        yield init

nats = fix(lambda x: x+1, 0)
```
Hyperdoc

- C-c  C-d  h on steroids!

```lisp
(cl-ppcre:regex-replace

-1::** *slime-scratch*  All (1,23)  (Lisp Outl Slim
CL-PPCRE - Port...

[Function]
regex-replace  regex  target-string  replacement  &key  start  end  preserve-case  simple-calls  element-type  =>  string,  matchp

Try to match target-string between start and end against regex and replace the first match with replacement. Two values are returned; the modified string, and T if regex matched or NIL otherwise.

replacement  can  be  a  string  which  may  contain  the  special  substrings  "\&"  for  the  whole  match,  "\"  for  the  part  of  target-string  before  the  match,  "\"  for  the  part  of  target-string  after  the  match.

-1:%% *w3m*  [  ]  / CL-PPCRE - Portable Perl-com...
```
Fancy Macroexpansion

- expanding in right lexical environment (think of MACROLET)
- retaining expansion in Lisp image, modified in-place.

```
(macrolet ((frob (x)
  (let ((name (format nil "frobbed--~A" x)))
    `(defun , (intern name) ()
       x)))
  (frob :foo))

(defvar frobbled-foo () x)
```

```
(macrolet (&rest macro-bindings) &body body)
```
Unwinded dx objects

- you’re in the Slime Debugger
- inspecting some frame variable which has been allocated on the stack
Unwinded dx objects (cont..)

- you close the debugger (➔ stack unwinding)
- and reinspect the object in the Slime Inspector