Core Library Referencee

core name space, version o.o.3

	type identifiers	
%lambda %exception %vector	closure lambda exception vector	
%closure	lexical closure	
char cons fixnum float func keyword ns null stream string	fix	
symbol vector	sym	
	Core	s

version	string	version string	%mapcar fund
%format T string lis %load-file string	t string ()	formatted output load file through	%mapl func lis
%make-keyword st	ring	core reader make keyword	%maplist func
%quote T	cons	quote form	
apply func list compile T	$T \ T$	apply func to list compile T in null environment	%positionl-if
gensym	sym	create unique uninterned symbol	%append list

Specie	al Form	S	String	S
%defmacro sym list	. body symbol	define macro	%string-position char stra	ing index of char in string, nil if not
lambda <i>list</i> . body	func	define closure	,	found
if T 'T	T	conditional	%substr string fix 'fix string	g substring of
if T 'T ''T	T	conditional		string from start to end
Fixnu	m	m	Vector	
1 + fix	fix	increment fix		
1- <i>fix</i>	fix	decrement fix	%make-vector <i>list</i> vector	· · · · · · · · · · · · · · · · · · ·
logand fix 'fix	fix	bitwise and		vector from list
lognot fix	fix	bitwise negate	%map-vector func vector	make vector of
logor fix 'fix	fix	bitwise or	vecto	or $func$ application
logxor fix 'fix	fix	bitwise xor		on vector
List		6	make-vector list vector	elements or general vector
List		3	make-vector list	from list
%dropl list fixnum	list	drop left	bit-vector-p vector bool	
%dropr list fixnum	list	drop right	vector-displaced-p vector	
%findl-if func list	T	element if applied	bool	
		function returns	vector-length vector fix	length of vector
		an atom, ()	vector-ref vector fix T	element of vector
		otherwise	3	at index <i>fix</i>
%foldl func T list	list	left fold	vector-slice <i>vector fix</i> ' <i>fix</i>	displaced vector
%foldr func T list	list	right fold	vecto	_ *
%mapc func list		apply <i>func</i> to <i>list</i>	vector-type vector sym	
		cars, return <i>list</i>		
%mapcar func list	list	new list from	Macro	
		applying func to	define cymbol meene cy	m T dofino gymbol
0/ 1/2 1/2	7.	list cars	define-symbol-macro sym	
%mapl func list	list	apply func to list		
0/ 11 - 0 11 -	7.	cdrs, return <i>list</i>	macro-function sym list	extract macro function with
%maplist func list	list	new list from	I	environment
		applying <i>func</i> to	macroexpand T list T	expand macro
0/ 11 1.00		list cdrs	macrocxpanu 1 ust 1	expression in
%positionl-if func lis		index of element		environment
	T	if <i>func</i> returns an	macroexpand-1 T list	expand macro
		atom, otherwise	T	expand macro expression onc
0.4	7.	0	1	in onvironment

() append lists

reverse *list*

list

list

reverse list

in environment

Reade	er/Prin	ter s	Excep	otion	n		Reader Syntax
read stream bool T write T bool stream	T T	read stream object write escaped	%exceptionf stream	ı strin strin	g bool struct	; # #	comment to end of line block comment
Predic	eato	e e	%make-exception s	sym T	string sym list	'form	quoted form
Treut	·uic	•	m 1 111 .		ct create exception	`form `()	backquoted form backquoted list (proper lists)
%minusp fix %numberp T %uninternedp sym charp T consp T fixnump T	bool bool bool bool bool	negative fix float or fixnum symbol interned char cons fixnum	error T symbol list exceptionp struct raise T symbol list raise-env T symbol warn T string with-exception fund	bool list T	g error format predicate raise exception raise exception warning catch exception	() ,form ,@form () () ()	eval backquoted form eval-splice backquoted form constant list empty list, prints as : nil dotted list string, char vector
floatp T	bool	float			-	 I	single escape in strings
functionp T keywordp T listp T namespacep T null T streamp T stringp T structp T symbolp T	bool bool bool bool bool bool bool bool	function keyword cons or () namespace :nil or () stream char vector struct symbol	and &rest cond &rest let list &rest let* list &rest or &rest progn &rest	$egin{array}{cccccccccccccccccccccccccccccccccccc$	and of rest list cond switch lexical bindings dependent list of bindings or of rest list evaluate rest list,	<pre>#* #x #. #\. #(:type) #s(:type) #:symbol "`,; #</pre>	bit vector hexadecimal fixnum read-time eval char vector struct uninterned symbol terminating macro char non-terminating macro char
vectorp T	bool	vector	unless T &rest	T	return last evaluation if T is (), (progn) otherwise ()	!\$%&*+ <>=?@[]	symbol constituents
Туре S	System	t	when T &rest		if T is an atom,	:^_{}~/	
%core-type-p T def-type symbol list type-of T typespec	bool struct sym bool	a core type? create core type of name <i>symbol</i> core type symbol does <i>T</i> conform to	Closur	es	(progn) otherwise ()	AZaz 09 0x09 #\tab 0x0a #\linefe 0x0c #\page 0x0d #\return	
typep 1 typespee	0001	typespec?	format T string &res	list st T	append lists formatted output	0x20 #\space	
Stream	m _	хu	funcall func &rest	$\overset{1}{T}$	apply func to		
%peek-char stream		read char from stream, unread	list &rest list* &rest vector &rest	list list vecto	<i>list of</i> append		
%format T string list	1	formatted output to stream					
road stream T'T	T	to stream					

 \mathbf{read} stream T'T

write TT stream

T

read from stream

with EOF handling write escaped object to stream