

GNU APL Reference Card

(for GNU APL version 1.8)

Emacs mode

Interaction mode:

beginning of defun	C-M-a
end of defun	C-M-e
find function at point	M-.
apropos symbol	C-c C-a
edit function	C-c C-f
show help for symbol	C-c C-h
finnapl list	C-c TAB
show keyboard	C-c C-k
plot line	C-c RET
edit variable	C-c C-v
trace	C-c C-.

Edit mode:

go to beginning of defun	C-M-a
go to end of defun	C-M-e
find function at point	M-.
apropos symbol	C-c C-a
interactive send current function	C-c C-c
help for symbol	C-c C-h
finnapl list	C-c TAB
show keyboard	C-c C-k
interactive send buffer	C-c C-l
interactive send region	C-c C-s
switch to interactive	C-c C-z
trace	C-c C-.
indent	C-M-q

System

Notation for commands:

F	filename	L	library	P	path
G	logging facility	O	object	S	symbol
W	workspace				

APL standard commands

check workspace intergity	)CHECK
clear workspace	)CLEAR
save workspace as CONTINUE and exit	)CONTINUE
copies objects from given workspace	)COPY [L] W [0 ...]
remove W	)DROP [L] W
dump W (readable, HTML escaped)	)DUMP-HTML [[L] W]
dump W (readable APL)	)DUMP [[L] W]
dump W (readable APL, verbose)	)DUMPV [[L] W]
erase symbol(s)	)ERASE S ...
show functions	)FNS [from-to]
help	)HELP [primitive]
history	)HIST [CLEAR]
runs command on host	)HOST command ...
loads workspace (IBM .atf format)	)IN F [0 ...]
show libraries and paths	)LIBS [[L] path]
show saved workspaces	)LIB [L|P] [from-to]
load workspace W	)LOAD [L] W

show more error info	)MORE
lists symbols matching name	)NMS [from-to]
quit APL	)OFF
show operators	)OPS [from-to]
dump workspace (IBM .atf format)	)OUT name [0 ...]
protects during copying	)PCOPY [L] W [0 ...]
protects during loading	)PIN F [0 ...]
quiet load	)QLOAD [[L] W]
reset state indicator	)RESET
save workspace as W	)SAVE [[L] W]
clear suspended functions	)SIC
see suspended functions and locals	)SINL
see suspended functions	)SIS
state indicator	)SI
show symbol count	)SYMBOLS [count]
show values in use by interpreter	)VALUES
show variables	)VARS [from-to]
get/set workspace ID	)WSID [W]

GNU extension commands (mostly for debugging)

toggles boxing of values when printing	]BOXING [OFF|num]
toggle colored output	]COLOR [ON|OFF]
dump W in HTML file	]DOXY [path]
expected error count in test suite	]EXPECT error_count
help	]HELP [primitive]
show keyboard layout	]KEYB
as)LIB, but shows fil extensions	]LIB [L|P] [from-to]
show/set logging facilities	]LOG [G [ON|OFF]]
next testcase file	]NEXTFILE
performance statistics	]PSTAT [CLEAR|SAVE]
as)SIS, with more details	]SIS
as)SI, with more details	]SI
shared variables	]SVARS
describe internal details of symbol S	]SYMBOL S
define user command	]USERCMD [...]
toggle output coloring on console	]XTERM [ON|OFF]

System variables:

character input/output	<input type="checkbox"/> M
evaluated input/output	<input type="checkbox"/>
account information	<input type="checkbox"/> AI
command line arguments	<input type="checkbox"/> ARG
atomic vector	<input type="checkbox"/> AV
comparison tolerance	<input type="checkbox"/> CT
event message	<input type="checkbox"/> EM
event type	<input type="checkbox"/> ET
format control	<input type="checkbox"/> FC
index origin (indexes start: 1, can be set to 0)	<input type="checkbox"/> IO
left argument	<input type="checkbox"/> L
line counters	<input type="checkbox"/> LC
latent expression (executed when workspace is loaded)	<input type="checkbox"/> LX
print precision (number of digits)	<input type="checkbox"/> PP
print style	<input type="checkbox"/> PS
print width (max characters in each printed line)	<input type="checkbox"/> PW
right argument	<input type="checkbox"/> R
random link	<input type="checkbox"/> RL
shared variable event	<input type="checkbox"/> SVE

system limits	<input type="checkbox"/> SYL
terminal control characters	<input type="checkbox"/> TC
time stamp (current time)	<input type="checkbox"/> TS
time zone (offset from GMT)	<input type="checkbox"/> TZ
user load	<input type="checkbox"/> UL
axis argument	<input type="checkbox"/> X
workspace available (bytes for workspace)	<input type="checkbox"/> WA
dfn axis argument	X
dfn result	λ
dfn left value arg	α
dfn left function arg	α
dfn right value arg	ω
dfn right function arg	ω

System functions:

atomic function	<input type="checkbox"/> AF
attributes	<input type="checkbox"/> AT
char representation	<input type="checkbox"/> CR
delay	<input type="checkbox"/> DL
D. Knuth's dancing links	<input type="checkbox"/> DLX
execute alternate	<input type="checkbox"/> EA
execute both	<input type="checkbox"/> EB
execute controlled	<input type="checkbox"/> EC
environment	<input type="checkbox"/> ENV
event simulate	<input type="checkbox"/> ES
expunge	<input type="checkbox"/> EX
fast Fourier transform	<input type="checkbox"/> FFT
file I/O	<input type="checkbox"/> FIO
Fix (FFI/call native functions)	<input type="checkbox"/> FX
Gtk GUI	<input type="checkbox"/> GTK
MAP ravel elements	<input type="checkbox"/> MAP
input from script	<input type="checkbox"/> INP
name association	<input type="checkbox"/> NA
name class	<input type="checkbox"/> NC
name list	<input type="checkbox"/> NL
plot a graph	<input type="checkbox"/> PLOT
regular expression, regex <input type="checkbox"/> RE string	<input type="checkbox"/> RE
random APL value	<input type="checkbox"/> RVAL
state indicator	<input type="checkbox"/> SI
SQL functions	<input type="checkbox"/> SQL
shared variable control	<input type="checkbox"/> SVC
shared variable offer	<input type="checkbox"/> SVO
shared variable query	<input type="checkbox"/> SVQ
shared variable retraction	<input type="checkbox"/> SVR
shared variable state	<input type="checkbox"/> SVS
STOP vector	<input type="checkbox"/> STOP
transfer form	<input type="checkbox"/> TF
TRACE vector	<input type="checkbox"/> TRACE
unicode character	<input type="checkbox"/> UCS

Notation

comment	⌈
statement separator	◇
assignment	A← ...
assignment	(A B C)←
function definition	▽
zilde (empty vector)	⊘
a	+ a