

**Laplace**

P\K

Copyright © 1996-98 by A Vision Of Paradise

**COLLABORATORS**

	<i>TITLE :</i> Laplace	
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>
WRITTEN BY	P!NK	April 18, 2022

**REVISION HISTORY**

NUMBER	DATE	DESCRIPTION	NAME

# Contents

<b>1</b>	<b>Laplace</b>	<b>1</b>
1.1	cindex . . . . .	1
1.2	findex . . . . .	5

# Chapter 1

## Laplace

### 1.1 cindex

- Laplace Manual ----- Concept index -

7) Concept index

----- A -----

abort.....	The graphical interface,
about.....	Introduction
address.....	Address
AmiNet.....	Where to find it
Analysis.....	Analysis
analysis.lh.....	analysis.lh
animations.....	Animated plots
array.....	type 'array'

----- B -----

Beta release.....	Beta release
binary operators.....	Expressions
boolean.....	type 'boolean'
bubble help.....	The graphical interface
bugs.....	Known bugs
built-in functions.....	Built-in functions

----- C -----

calculation engine.....	The graphical interface
clipboard.....	Clipboard
comments.....	Comments
competitors.....	Competitors
complex.....	type 'complex'
complex numbers.....	type 'number'
conditionals.....	Conditionals
constants.....	References, Types
copyright.....	Copyright

----- D -----

declaration.....Types  
derive.....Analysis  
dynamic options.....Options

## ----- E -----

editmodes.....Editmodes  
equation.....type 'equation'  
Error distribution.....Error distribution  
error-distribution.....type 'number'  
errormessages.....Errormessages  
expression syntax.....Expression syntax  
expressions.....Expressions

## ----- F -----

for-loop.....Loops  
function  
· plotting.....Function plotting  
function plotter.....Plotter  
functions.....References  
· built-in.....Built-in functions

## ----- G -----

general usage.....Usage  
getting started.....Getting started  
graphical interface.....The graphical interface  
Greek letters.....References  
greets.....Greets  
GUI.....The graphical interface

## ----- H -----

help  
· bubble.....The graphical interface  
history.....History, History

## ----- I -----

identifier.....type 'identifier'  
installation.....Installation  
integer.....type 'integer'  
integration  
· numerical.....nint(), Numerical integration  
internal processing.....The internal processing  
interrupt.....The graphical interface, The keyboard  
interval.....type 'interval'  
introduction.....Introduction  
invalid.....type 'invalid'

## ----- K -----

keyboard.....The keyboard  
keyfile.....Registration  
known bugs.....Known bugs

----- L -----	
Laplace, P. S. Marquis de.....	Biography
libraries.....	Libraries
linalg.lh.....	linalg.lh
Linear Algebra.....	Linear Algebra
loops.....	Loops
----- M -----	
Magic User Interface.....	Readme.mui
MapleV.....	Competitors
math.lh.....	math.lh
matrix.....	Linear Algebra, type 'matrix'
menu.....	The menu
messages.....	Errormessages
mouse.....	About mice and men...
MUI.....	Readme.mui
multiline mode.....	Editmodes
MuPAD.....	Competitors
----- N -----	
name conventions.....	References
neginteger.....	type 'neginteger'
number.....	type 'number'
----- O -----	
object.....	type 'object'
operators.....	Expressions
options.....	Options
----- P -----	
parameters.....	References
Pari.....	Competitors
physic.lh.....	physic.lh
plotter.....	Plotter
plotting.....	Function plotting
posinteger.....	type 'posinteger'
preferences.....	The preferences window
procedures.....	Procedures
processing.....	The internal processing
Programming.....	Programming
projects.....	Projects
----- Q -----	
quick arithmetics.....	References
----- R -----	
real.....	type 'real'
references.....	References
registration.....	Registration
relations.....	Expressions

requirements..... Requirements

S

scheduler..... The graphical interface  
shareware..... Registration  
singleline mode..... Editmodes  
Statistics..... Statistics  
statistics.lh..... statistics.lh  
statusbar..... The graphical interface  
string..... type 'string'  
syntax..... Expression syntax

T

tensor..... type 'tensor'  
to do..... To do  
toolbar..... The toolbar  
Tutorial..... Tutorial  
types..... Types  
· array..... type 'array'  
· boolean..... type 'boolean'  
· complex..... type 'complex'  
· constants..... Types  
· equation..... type 'equation'  
· identifier..... type 'identifier'  
· integer..... type 'integer'  
· interval..... type 'interval'  
· invalid..... type 'invalid'  
· matrix..... type 'matrix'  
· neginteger..... type 'neginteger'  
· number..... type 'number'  
· object..... type 'object'  
· posinteger..... type 'posinteger'  
· real..... type 'real'  
· string..... type 'string'  
· tensor..... type 'tensor'  
· vector..... type 'vector'

U

unary operators..... Expressions  
usage..... Usage

V

variable declaration..... Types  
variables..... References  
vector..... Linear Algebra, type 'vector'

W

where..... Where to find it  
while-loop..... Loops

## 1.2 findex

- Laplace Manual ----- Function index -

8) Function index

----- A -----

abs() ..... abs()  
acos() ..... acos()  
acosh() ..... acosh()  
acot() ..... acot()  
addcols() ..... addcols()  
addrows() ..... addrows()  
angle() ..... angle()  
arc() ..... arc()  
arccos() ..... arccos()  
arccot() ..... arccot()  
arcosh() ..... arcosh()  
arcsin() ..... arcsin()  
arctan() ..... arctan()  
arsinh() ..... arsinh()  
artanh() ..... artanh()  
asin() ..... asin()  
asinh() ..... asinh()  
atan() ..... atan()  
atanh() ..... atanh()  
average() ..... average()

----- B -----

break() ..... break()

----- C -----

clock() ..... clock()  
cols() ..... cols()  
conj() ..... conj()  
cos() ..... cos()  
cosh() ..... cosh()  
cot() ..... cot()  
count() ..... count()

----- D -----

derive() ..... derive(), Analysis  
det() ..... det()  
dim() ..... dim()

----- E -----

error() ..... error()  
exp() ..... exp()

----- F -----

fak() ..... fak()  
----- G -----  
genarray() ..... genarray()  
genmatrix() ..... genmatrix()  
genvector() ..... genvector()  
gsolve() ..... gsolve()  
----- I -----  
im() ..... im()  
include() ..... include()  
integral() ..... integral()  
inv() ..... inv()  
invert() ..... invert()  
irandom() ..... irandom()  
issubtype() ..... issubtype()  
----- L -----  
lg() ..... lg()  
lhs() ..... lhs()  
ln() ..... ln()  
----- M -----  
multcol() ..... multcol()  
multrow() ..... multrow()  
----- N -----  
neg() ..... neg()  
nint() ..... nint()  
norm() ..... norm()  
----- P -----  
plot\_addfunc() ..... plot\_addfunc()  
plot\_close() ..... plot\_close()  
plot\_delfunc() ..... plot\_delfunc()  
plot\_new() ..... plot\_new()  
plot\_newanim() ..... plot\_newanim()  
plot\_open() ..... plot\_open()  
plot\_refunc() ..... plot\_refunc()  
plot\_setrange() ..... plot\_setrange()  
----- R -----  
random() ..... random()  
randomcpoly() ..... randomcpoly()  
randompoly() ..... randompoly()  
randomqpoly() ..... randomqpoly()  
randomrpoly() ..... randomrpoly()  
randomseed() ..... randomseed()  
rank() ..... rank()  
re() ..... re()

```
return() .....return()  
rhs() .....rhs()  
rows() .....rows()
```

----- S -----

```
sigma() .....sigma()  
sign() .....sign()  
sin() .....sin()  
sinh() .....sinh()  
spur() .....spur()  
sqrt() .....sqrt()  
swapcols() .....swapcols()  
swaprows() .....swaprows()
```

----- T -----

```
tan() .....tan()  
tanh() .....tanh()  
trans() .....trans()  
typeof() .....typeof()
```

----- U -----

```
umatrix() .....umatrix()
```

----- X -----

```
xparm() .....xparm()
```

----- © by P!K -