

# R documentation

of ‘./RMaxima-internal.Rd’ etc.

October 19, 2009

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RMaxima-package

*What the package does (short line) ~~ package title ~~*

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## Description

More about what it does (maybe more than one line) ~~ A concise (1-5 lines) description of the package ~~

## Details

Package:	RMaxima
Type:	Package
Version:	1.0
Date:	2009-10-19
License:	What license is it under?
LazyLoad:	yes

~~ An overview of how to use the package, including the most important ~~ functions ~~

## Author(s)

Who wrote it

Maintainer: Who to complain to <yourfault@somewhere.net> ~~ The author and/or maintainer of the package ~~

## References

~~ Literature or other references for background information ~~

## See Also

~~ Optional links to other man pages, e.g. ~~ <pkg> ~~

## Examples

~~ simple examples of the most important functions ~~

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mDeriv	<i>Symbolically calculate derivatives.</i>
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**Description**

Symbolically calculate derivatives.

**Usage**

```
mDeriv(expr, var=x, degree=1)
```

**Arguments**

expr	the mathematical function to operate on This argument can be given as a function, an unevaluated expression, a character string or raw text.
var='x'	variable to perform differentiation with respect to.
degree=1	Order of derivative.

**Details**

Description here.

**Value**

a function corresponding to the requested derivative.

**See Also**

[mInteg](#)

**Examples**

```
mDeriv(x^3 - 2 * x^2 + 1)
f <- function(x) {
  return(cos(2 * x) + sin(x))
}
mDeriv(f)
mDeriv("(y - 1) * (y + 3)")
```

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mIntegr	<i>Symbolically calculate derivatives.</i>
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**Description**

Symbolically calculate derivatives.

**Usage**

```
mIntegr(expr, var=x, degree=1)
```

**Arguments**

<code>expr</code>	the mathematical function to operate on This argument can be given as a function, an unevaluated expression, a character string or raw text.
<code>var='x'</code>	variable to perform differentiation with respect to.
<code>degree=1</code>	Order of derivative.

**Details**

Description here.

**Value**

a function corresponding to the requested derivative.

**See Also**

[mInteg](#)

**Examples**

```
mDeriv(x^3 - 2 * x^2 + 1)
f <- function(x) {
  return(cos(2 * x) + sin(x))
}
mDeriv(f)
mDeriv("(y - 1) * (y + 3)")
```

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mSolve.RServe	<i>mSolve.RServe</i>
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**Usage**

```
mSolve.RServe(equ, var=x, ..., symbolic=FALSE)
```

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mSolve	<i>mSolve</i>
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**Usage**

```
mSolve(expr, var=x)
```

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maxima_bin	<i>maxima_bin</i>
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# Index

## \*Topic **package**

    RMaxima-package, [1](#)  
    <pkg>, [1](#)

maxima\_bin, [3](#)

mDeriv, [2](#)

mInteg, [2](#), [3](#)

mIntegr, [2](#)

mSolve, [3](#)

mSolve.RServe, [3](#)

RMaxima (*RMaxima-package*), [1](#)

RMaxima-package, [1](#)