

Manual for Package: auxiliar

Revision 25M

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1 @Compute_Map

1.1 Compute_Map

container class to store multiple scenarios

1.2 key

key for storing a scenario

function [key obj] = key(obj,varargin)

2 auxiliar

2.1 Container

2.2 Expanding_Double

3 adaptor

adators for backward compatibility for renamed files

3.1 Constant

3.2 GSD

3.3 Keller

3.4 MMesh

3.5 SMesh

3.6 Slg

4 auxiliar

4.1 addpath_recursive

recursively add a directory and sub-directories to the Matlab
search path
call `restoredefaultpath` to undo this

4.2 arabic2roman

4.3 autocat

4.4 bplus

4.5 btimes

4.6 centre_axis

4.7 circshift_fractional

4.8 cmap_rolling

4.9 copy_fields

4.10 `copyfields_deep`

4.11 `count_occurence`

4.12 `cummax`

4.13 `cummean`

4.14 `cumstd`

4.15 `cumvar`

4.16 `cvec`

make vector a column vector

4.17 `dependencies_determine`

determine dependencies of a matlab function
function dependencies_determine(dep_filename,profile_filename,
func_C)

4.18 `dependencies_fetch`

fetch the dependencies stored in other repositories

4.19 `diag3`

4.20 `diffn`

4.21 `dspace`

4.22 `field_range`

4.23 `fieldnames_deep`

4.24 `finite`

4.25 `fixnan3`

4.26 `flat`

reshape a (hyper)-matrix into a column vector

4.27 `folder_name_from_parameters`

4.28 `frac`

4.29 getfield_deep

```
function value = getfield_deep(s,fieldname)
```

4.30 getfield_try

4.31 getout

4.32 hash_float

4.33 hash_str

```
function [h,a] = hash_str(s,h,a)  
hash a string into a single number
```

4.34 hashcode

4.35 hashobj

```
has the model parameters for filename generation
```

4.36 imagesc_

4.37 innerspace

```
linearly increasing vector sampled at mid-intervals
```

4.38 int2byte

5 io/@IniFile

5.1 IniFile

6 io

6.1 Stream

6.2 catXML

6.3 csv2cell

6.4 filewrite

7 io/netcat

7.1 nc

7.2 nc_read_row

7.3 `nc_read_sequential`

7.4 `nc_read_sequential_column`

7.5 `nc_readall`

7.6 `nc_writeall`

8 `io`

8.1 `parseXML`

8.2 `printdef`

8.3 `printf`

print values to standard output

8.4 `save_`

8.5 `xml2struct`

9 auxiliar

9.1 isfield_deep

9.2 isfieldorprop

9.3 isprop_deep

9.4 issym

return true of variable is symbolic

9.5 iterate_cell

9.6 jmemory

9.7 labelline

9.8 leftdiff

9.9 leftmean

9.10 limits

9.11 linspace_man

9.12 linspace_man2

9.13 logspace_trimmed

9.14 matlab_messages

9.15 maxid

index of maximum
if value is not required (e.g. use in other functions such as
accummarray)

9.16 memsize

9.17 mlint_all

9.18 myhot

9.19 none

9.20 objcopy

10 plot

10.1 addx

10.2 addy

10.3 adjust_quiver_arrowhead_size

10.4 area_man

10.5 arrow

10.6 axis_equal_man

10.7 candlestick_man

10.8 circle

10.9 cmap

10.10 colormap3

10.11 colormap_byr

10.12 colormap_krb

10.13 colormap_man

10.14 colormap_man2

10.15 colormap_man_old

10.16 colormap_vegetation

10.17 columnlegend

10.18 `copyaxes`

10.19 `datetick_man`

10.20 `daytick`

10.21 `dcolormap`

10.22 `dots`

10.23 `errorarea`

10.24 `errorarea2`

plot area around a curve

10.25 `errorbar_man`

10.26 `errorlines`

10.27 `fetchsubplot`

10.28 **fillmarker**

10.29 **get_coordinates**

10.30 **hatch**

10.31 **hline**

plot a horizontal line

10.32 **hold_color**

10.33 **hourspace**

10.34 **hourtick**

10.35 **interpplot**

10.36 **legendtitle**

10.37 line_fewer_markers

```
find marker spec in varargin and remove it; extract special params:
    LockOnMax,Spacing
input size check
a) once only the line with all points with the style
b) last time the markers, using fewer points with style
c) once with a visible handle, only the first point, using the
    complete style you specified
'x' -> marker delta-x constant; 'curve' : spacing constant along the
    curve length
```

10.38 monthspace

10.39 monthtick

10.40 mycolourmap

10.41 namedfigure

```
create a figure and set its window title
```

10.42 nansurf

10.43 nmcolormap

10.44 patch_man

10.45 pdfprint

```
print a pdf-file for a figure
```

10.46 percenttick

10.47 plot2svg

[illegible]

Octave keeps s, d, p and h in the HandleGraphics object, for the square, diamond, pentagram, and hexagram markers, respectively

-- Jakob Malm

Octave keeps s, d, p and h in the HandleGraphics object, for the square, diamond, pentagram, and hexagram markers, respectively

-- Jakob Malm

[illegible]

10.54 `quadsurf2`

10.55 `quadsurf3`

10.56 `quiver3_man`

10.57 `quiver_man`

10.58 `quiver_man2`

10.59 `quiver_man3`

10.60 `rectangles`

10.61 `scaleplot`

10.62 `setfontsize`

10.63 `shade_night`

10.64 splitfigure

combined figure and subplot

10.65 turtle

10.66 velplot

10.67 vline

plot a vertical line

10.68 vline_man

10.69 weekspace

10.70 weektick

10.71 xtick

10.72 xticklabel

10.73 ytick

wrapper for setting yticks

10.74 yticklabel

11 posix

11.1 touch

12 auxiliar

12.1 relpos

12.2 reshape_conditional

12.3 rightdiff

12.4 rmfield_deep

12.5 rmfield_optional

12.6 rvec

reshape input vector to a column vector

12.7 select

select columns of a vector along dimension dim

12.8 setfield_behind

12.9 setfield_deep

```
function s = setfield_deep(s,fieldname,value)
```

set values of a struct or object, fieldnames can have sub-fields
indicated by dots

12.10 setfields

12.11 sign2str

12.12 signs

12.13 simplifyignore

12.14 str_cell_reverse_index

13 strings

13.1 chomp

13.2 chomp1

13.3 num2str_log10

13.4 num2str_power_10

13.5 strjoin

join a cell array of strings

13.6 strsplit_man

13.7 suffix

14 auxiliar

14.1 struct2obj

14.2 struct_avg

14.3 `struct_flat`

14.4 `structcopy_deep`

14.5 `structfun_deep`

14.6 `sub2ind_man`

14.7 `subsall`

14.8 `swap`

15 `system`

emulate POSIX and BASH functions

15.1 `alloc`

15.2 `basename`

strip the directory from a filename

15.3 `cbrt`

15.4 `dirname`

strip file-name from path

15.5 `head`

15.6 `head_str`

15.7 `tail`

15.8 `tail_str`

16 `auxiliar`

16.1 `table2struc_man`

16.2 `table2tex`

16.3 `toInt32`

16.4 `unique_columnwise`

16.5 `unpack_struct`

16.6 `unwrap_periodic`

16.7 `zoomaxis`