

Manual for Package: auxiliar

Revision 20M

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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

adaptors 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 colormap3

4.10 colormap_byr

4.11 copy_fields

4.12 `copyfields_deep`

4.13 `count_occurence`

4.14 `cummax`

4.15 `cummean`

4.16 `cumstd`

4.17 `cumvar`

4.18 `cvec`

make vector a column vector

4.19 `dependencies_determine`

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

4.20 `dependencies_fetch`

fetch the dependencies stored in other repositories

4.21 `diag3`

4.22 `diffn`

4.23 `dspace`

4.24 `field_range`

4.25 `fieldnames_deep`

4.26 `finite`

4.27 `fixnan3`

4.28 `flat`

reshape a (hyper)-matrix into a column vector

4.29 `folder_name_from_parameters`

4.30 `frac`

4.31 getfield_deep

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

4.32 getout

4.33 hash_float

4.34 hash_str

```
hash a string into a single number
```

4.35 hashcode

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 `colormap_man`

10.11 `colormap_man2`

10.12 `colormap_man_old`

10.13 `columnlegend`

10.14 `copyaxes`

10.15 `datetick_man`

10.16 `daytick`

10.17 `dcolormap`

10.18 `dots`

10.19 `errorarea`

10.20 `errorarea2`

plot area around a curve

10.21 `errorbar_man`

10.22 `errorlines`

10.23 **fetchsubplot**

10.24 **fillmarker**

10.25 **get_coordinates**

10.26 **hatch**

10.27 **hline**

`plot a horizontal line`

10.28 **hold_color**

10.29 **hourspace**

10.30 **hourtick**

10.31 **interpplot**

10.32 **legendtitle**

10.33 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
```

10.34 monthspace

10.35 monthtick

10.36 mycolourmap

10.37 namedfigure

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

10.38 nansurf

10.39 nmcolormap

10.40 patch_man

10.41 pdfprint

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

10.42 percenttick

10.43 plot2svg

[illegible]

%%
%%
%%
%%
%%
%%
%%
%%
%%

10.44 `plot_ellipse`

10.45 `plot_style`

10.46 `plotshaded`

10.47 `ploty4`

10.48 `plotyyy`

10.49 `quadsurf`

10.50 `quadsurf2`

10.51 `quadsurf3`

10.52 `quiver3_man`

10.53 `quiver_man`

10.54 `quiver_man2`

10.55 `quiver_man3`

10.56 `rectangles`

10.57 `scaleplot`

10.58 `setfontsize`

10.59 `shade_night`

10.60 splitfigure

combined figure and subplot

10.61 turtle

10.62 velplot

10.63 vline

plot a vertical line

10.64 vline_man

10.65 weekspace

10.66 weektick

10.67 xtick

10.68 xticklabel

10.69 ytick

wrapper for setting yticks

10.70 yticklabel

11 auxiliar

11.1 relpos

11.2 reshape_conditional

11.3 rightdiff

11.4 rmfield_deep

11.5 rmfield_optional

11.6 rvec

reshape input vector to a column vector

11.7 select

select columns of a vector along dimension dim

11.8 setfield_behind

11.9 setfield_deep

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

11.10 setfields

11.11 sign2str

11.12 signs

11.13 simplifyignore

11.14 str_cell_reverse_index

12 strings

12.1 chomp

12.2 chomp1

12.3 num2str_log10

12.4 num2str_power_10

12.5 strjoin

join a cell array of strings

12.6 strsplit_man

12.7 suffix

13 auxiliar

13.1 struct2obj

13.2 struct_avg

13.3 struct_flat

13.4 structcopy_deep

13.5 structfun_deep

13.6 sub2ind_man

13.7 subsall

13.8 swap

14 system

emulate POSIX and BASH functions

14.1 alloc

14.2 basename

strip the directory from a filename

14.3 cbrt

14.4 dirname

strip file-name from path

14.5 head

14.6 head_str

14.7 tail

14.8 tail_str

15 auxiliar

15.1 table2struc_man

15.2 table2tex

15.3 toInt32

15.4 unique_columnwise

15.5 unpack_struct

15.6 `unwrap_periodic`

15.7 `zoomaxis`