

Manual for Package: auxiliar

Revision 23M

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July 5, 2023

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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`

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

4.34 `hashcode`

4.35 `imagesc_`

4.36 `innerspace`

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

4.37 `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

```
" height="100%" viewBox="0 0 %0.3f %0.3f" ',paperpos(3),paperpos(4)
);
    fprintf(fid,' <filter x="%0.3f%" y="%0.3f%" width="%0.3f%" height="%0.3f%" id="%s">\n', 0, 0, 100, 100,
    filterId);
%    fprintf(fid,' <filter x="%0.3f%" y="%0.3f%" width="%0.3f%" height="%0.3f%" id="%s">\n', -(offset *
100), -(offset * 100), 100 + (offset * 200), 100 + (offset * 200), filterId);
```

[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]

%%
%%
%%

10.48 `plot_ellipse`

10.49 `plot_style`

10.50 `plotshaded`

10.51 `ploty4`

10.52 `plotyyy`

10.53 `quadsurf`

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 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