Manual for Package: auxiliar
Revision 15M

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November 3, 2022

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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 arabic2roman

4.2 autocat

4.3 bplus

4.4 btimes

4.5 centre_axis

4.6 circshift_fractional

4.7 cmap_rolling

4.8 colormap3

4.9 colormap_byr

4.10 copy_fields

4.11 copyfields_deep

4.12 count_occurence

4.13 cummax

4.14 cummean

4.15 cumstd

4.16 cumvar

4.17 cvec

```
make vector a column vector
```

4.18 diag3

4.19 diffn

4.20 dspace

4.21 field_range

4.22 fieldnames_deep

4.23 finite

4.24 fixnan3

4.25 flat

```
reshape a (hyper)-matrix into a column vector
```

4.26 folder_name_from_parameters

4.27 frac

4.28 getfield_deep

4.29 getout

4.30 hash_float

4.31 hash_str

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

4.32 hashcode

4.33 imagesc_

4.34 innerspace

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

4.35 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 nearest_fractional_timestep

9.20 none

9.21 objcopy

9.22 oversampleNZ

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

```
" height="100%%" viewBox="0 0 %0.3f %0.3f" ',paperpos(3),paperpos(4)
    );
            fprintf(fid,' <filter x="%0.3f%%" y="%0.3f%%" width="%0.3
                f%%" 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);
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%% SUBFUNCTIONS %%%%%
%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%%

 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
%%%%%%%%%%%%%%%%%%%
```

%%%

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 toInt32

15.3 unique_columnwise

15.4 unpack_struct

15.5 unwrap_periodic

15.6 zoomaxis