

# Release Notes for LTPDA Toolbox v3.0.13

M Hewitson 2017-08-04

Introduction	1
Known Issues	1
Main Changes	1
Requirements	1
New Methods	2
Changes to methods	2
MANTIS Issues	2
Detailed changes since v2.9.4	3

## Introduction

This version of LTPDA is 3.0.13. This document lists the changes since V2.9.4.

## Known Issues

None.

## Main Changes

This version of LTPDA contains many bug fixes and compatibility modifications to support newer versions of MATLAB. It also contains a new handling of object history trees where the tree is compressed before writing to disk. This version also accumulates a few fixes from during the operations of LISA Pathfinder.

There have been some significant under-the-hood improvements and changes to the function handle class ([mfh](#)). If you use this class, most likely you will need to adapt old codes.

All user objects in LTPDA have a time-span property now, which can be used to ‘tag’ objects with a particular time range of validity or applicability. For objects like time-series, this is derived from other properties of the object.

## Requirements

A number of changes made required us to change the minimum MATLAB installation requirements to

Software	Version
MATLAB	8.0 (R2012b)
Signal Processing Toolbox	6.18

Symbolic Math Toolbox	5.9
Optimisation Toolbox*	6.2.1

## New Methods

- **pest/subset** Extracts a subset of the parameters in a pest object.
- **ao/trends** A new method which produces simple trends for time-series inputs.
- **ao/blrms** A band-limited RMS function.
- **ao/checkTimestamps** A new method which does a basic time-stamp check of an input.
- **ao/noisePower** Estimates the mean noise power density in a frequency band as a function of time.
- **mfh/multinest** Is an LTPDA wrapper around the MATLAB multinest algorithm.

## Changes to methods

- **ao/iplot** has been improved to allow setting marker edge and face colors.
- **ao/convert** now supports 3D data objects, allowing the extraction of slices to 2D or 1D series.
- **ao/psd** now has the possibility to mask segments from the averaging process. This comes with a new **plist/psdSegments** which creates a plist that can directly be used in **ao/split** to inspect the time-series segments which will take part in the averaging process.

## MANTIS Issues

<b>Id</b>	<b>Summary</b>	<b>Status</b>
Id	Summary	Status
909	setPlotMarkerFaceColor and setPlotMarkerEdgeColor do nothing	resolved
857	Add a reference time to user objects	resolved
888	mfh class operators	resolved
940	Logarithmic colourmap when plotting data3D using the surf function	resolved
981	Matlab warning message when using iplot	resolved
941	Change in symbolic toolbox for MATLAB2016a and above	resolved
939	A convert method for data3D	resolved
916	Error in ao/dtfe when no window specified	resolved
936	A split method for data3D type.	resolved
901	Changes in MATLAB 2015b	resolved

958	ao/psd number of windows used	resolved
957	ao/diff 5point doesn't work with second order	resolved
950	axis option for ao/scale	resolved
956	ao/scale does not allow scaling of the x axis	resolved
928	Preprocess doesn't work on some slowly sampled data	resolved
949	ao/interp fails when x values are int32	resolved
904	collection/fromRepository does not work with UUID	resolved
910	Retrieve collection from repository does not work with UUID	resolved
903	iplotPSD does not handle collection objects	resolved
948	Line styles ignored by ao/plot for errorbar objects	resolved
905	pest/subset method	resolved
944	Issue on polyfitSpectrum	resolved
933	Option to plot xyz data as surf or mesh would be nice	resolved
931	pest.subset does not work properly if Dy field of a pest is empty	resolved
929	ao.plus spends oddly long on toSI()	resolved
926	The exported text file from an ao issued from lpsd has 3 columns while 2 would be expected	resolved
924	support rad/deg conversion in ao/scale	resolved
918	in help plotTrends the "Parameter Description" link fails	resolved
912	errorbarytype area does not work for xydata	resolved
902	it is not easy to plot some sos with errors, others without	resolved
816	initObjectWithSize should accept size	resolved
Id	Summary	Status
909	setPlotMarkerFaceColor and setPlotMarkerEdgeColor do nothing	resolved
857	Add a reference time to user objects	resolved
888	mfh class operators	resolved
940	Logarithmic colourmap when plotting data3D using the surf function	resolved
981	Matlab warning message when using iplot	resolved

## Detailed changes since v2.9.4

[2017-06-22 08:47:01 +0200] [126f494b8] Martin Hewitson  
Updated mex files for modern versions of macOS. A step closer to 2017a compatibility.

```
src/ltpda_dft/ltpda_dft.mexmaci64      | Bin 95272 -> 103744 bytes
src/ltpda_polyreg/ltpda_polyreg.mexmaci64 | Bin 90912 -> 95248 bytes
src/ltpda_smother/ltpda_smother.mexmaci64 | Bin 9096 -> 13596 bytes
src/ltpda_ssmsim/ltpda_ssmsim.mexmaci64  | Bin 8720 -> 8904 bytes
```

```
4 files changed, 0 insertions(+), 0 deletions(-)
```

---

```
[2017-06-02 13:42:15 +0200] [368075eb2] Nikos Karnesis
Code hardening: Getting the name of the function first.
```

```
m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 4 +++
1 file changed, 3 insertions(+), 1 deletion(-)
```

---

```
[2017-04-25 13:19:56 +0200] [da6a08d55] Martin Hewitson
Code hardening: sometimes we have an empty metaclass object.
```

```
m-toolbox/classes/@minfo/minfo.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
```

---

```
[2017-04-13 09:04:11 +0200] [879567bfa] Martin Hewitson
This piece of code is reasonably expensive so let's just do this for classes which derive from ltpda_algorithm.
```

```
m-toolbox/classes/@minfo/minfo.m | 6 ++++++
1 file changed, 6 insertions(+)
```

---

```
[2017-04-13 09:03:47 +0200] [9c5ed339e] Martin Hewitson
In the case of just one input, simply return a copy.
```

```
m-toolbox/classes/@ao/join.m | 9 ++++++++
1 file changed, 9 insertions(+)
```

---

```
[2017-04-07 12:14:04 +0100] [f9a6f01b8] Peter Wass
Merge branch 'development' of gitlab.aei.uni-hannover.de:ltpda/ltpda_src into development
```

---

```
[2017-04-07 12:13:59 +0100] [8cbc6d255] Peter Wass
This was not working for scaling x-axis ts-data.
```

```
m-toolbox/classes/@ao/scale.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
```

---

```
[2017-04-03 15:32:25 +0200] [361f68395] Nikos Karnesis
I think this function was written for only positive values of a cost function. Therefore we have to add an abs() wrapper around the cost function for cases of cost functions with negative sign. TBD
```

```
m-toolbox/classes/@mfh/getHessian.m | 12 ++++++-----
1 file changed, 6 insertions(+), 6 deletions(-)
```

---

```
[2017-04-03 14:08:41 +0200] [15ff18c33] Nikos Karnesis
The previous also holds for constant objects
```

```
m-toolbox/classes/@mfh/mfh.m | 3 +++
1 file changed, 3 insertions(+)
```

---

```
[2017-04-03 14:03:47 +0200] [18663f9aa] Nikos Karnesis
Check if a parameter name is equal to 'f'. This is not allowed because 'f' is a variable name inside the mfh/eval function, thus throwing an error when trying to evaluate.
```

```
m-toolbox/classes/@mfh/mfh.m | 3 +++
1 file changed, 3 insertions(+)
```

---

```
[2017-03-29 11:44:36 +0200] [5599fe2fc] Nikos Karnesis
Added the possibility to save the figures
```

```
m-toolbox/classes/@pest/mcmcPlot.m | 13 ++++++-----
1 file changed, 13 insertions(+)
```

---

```
[2017-03-29 11:30:57 +0200] [357a4bd68] Nikos Karnesis
Using the ltpda code instead of the statistics toolbox
```

```
m-toolbox/classes/@pest/mcmcPlot.m | 4 +--
1 file changed, 2 insertions(+), 2 deletions(-)
```

---

```
[2017-03-24 16:20:06 +0100] [7dc6f6523] Nikos Karnesis
With this change the user can input the desired label for each axis (with latex interpreter if desirable)
```

```
m-toolbox/classes/@ao/iplotyy.m | 34 ++++++-----
1 file changed, 34 insertions(+)
```

---

```
[2017-03-16 16:29:51 -0400] [6d9961ada] Ira Thorpe
added constructor from LPFInv
```

```
m-toolbox/classes/@timespan/timespan.m | 5 +////
1 file changed, 5 insertions(+)
```

```

[2017-03-06 17:48:00 +0100] [3bed9cec5] Nikos Karnesis
Added the possibility to use weights in the fit. Useful when we desire to consider a chi^2 fit where the weights
are taken from a noise measurement.

m-toolbox/classes/@ao/flscov.m | 36 ++++++-----+
m-toolbox/classes/@mfh/flscov.m | 63 ++++++-----+
2 files changed, 93 insertions(+), 6 deletions(-)

[2017-03-04 10:02:42 +0100] [bb03adabf] Martin Hewitson
This should be equivalent and avoids the deprecated call to sym()

m-toolbox/classes/@smodel/sop.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)

[2017-03-02 15:28:14 +0100] [74a66d04e] danielvetrugno
update to sounder default parameters

m-toolbox/classes/@ao/flscov.m | 12 ++++++-
m-toolbox/classes/@matrix/flscovSegments.m | 12 ++++++-
m-toolbox/classes/@mfh/flscov.m | 10 ++++++-
3 files changed, 17 insertions(+), 17 deletions(-)

[2017-02-17 14:47:07 +0100] [e52f61749] Nikos Karnesis
Bug fix: Make this work for the case where the cost function is not numeric

m-toolbox/classes/@mfh/fminsearch.m | 4 +++
1 file changed, 4 insertions(+)

[2017-02-15 10:18:32 +0100] [329bfaf8] Martin Hewitson
In the case where we are averaging PSDs (fsdata) we can sum up the number of averages, otherwise the final result
has the Navs from the first input, which is just wrong.

m-toolbox/classes/@ao/average.m | 6 ++++++
1 file changed, 6 insertions(+)

[2017-02-10 13:54:21 +0100] [98f8aa044] Michele Armano
util.helper.readGZip() to read from a .gz TEXT archive without decompressing

m-toolbox/classes/+utils/@helper/helper.m | 2 ++
1 file changed, 2 insertions(+)

[2017-02-10 13:53:57 +0100] [59c7d0495] Michele Armano
util.helper.readGZip() to read from a .gz TEXT archive without decompressing

m-toolbox/classes/+utils/@helper/readGZip.m | 25 ++++++-----+
1 file changed, 25 insertions(+)

[2017-02-09 15:31:08 +0100] [c263de975] danielvetrugno
few corrections on flscov segments to get the right number of bins in the final plot

m-toolbox/classes/@matrix/flscovSegments.m | 16 ++++++-----+
1 file changed, 15 insertions(+), 1 deletion(--)

[2017-02-09 11:52:36 +0100] [ef37dea1b] danielvetrugno
few corrections on flscov to get the right number of bins in the final plot

m-toolbox/classes/@ao/flscov.m | 28 ++++++-----+
m-toolbox/classes/@mfh/flscov.m | 24 ++++++-----+
2 files changed, 44 insertions(+), 8 deletions(-)

[2017-02-06 10:11:01 +0100] [7e6df2ccd] Nikos Karnesis
Update the covariance at a fixed interval. Safer that way

m-toolbox/classes/@MCMC/jump.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2017-02-01 17:23:07 +0100] [4a19dabfe] Nikos Karnesis
This loop here is not needed.

m-toolbox/classes/@MCMC/mhsample.m | 6 +----+
1 file changed, 1 insertion(+), 5 deletions(-)

[2017-01-23 13:50:33 +0100] [72cd52725] Nikos Karnesis
Bug fix

m-toolbox/classes/@pest/mcmcPlot.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

```

```

-----
[2017-01-23 13:50:03 +0100] [f9b20c041] Nikos Karnesis
Adding the name to a variable

m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 3 +-+
1 file changed, 2 insertions(+), 1 deletion(-)

-----
[2017-01-17 12:25:39 +0100] [15dd50f00] Nikos Karnesis
Added a warning

m-toolbox/m/etc/matlabmultinest/NSMain/nested_sampler.m | 5 ++++++
1 file changed, 5 insertions(+)

-----
[2017-01-16 12:10:54 +0100] [d41b7b090] Nikos Karnesis
Bug fix: forgot to fill these lines with the extra flag that we modify for LTPDA

m-toolbox/m/etc/matlabmultinest/NSMain/optimal_ellipsoids.m | 4 +-+
1 file changed, 2 insertions(+), 2 deletions(-)

-----
[2017-01-13 13:32:43 +0100] [0cf866d24] Nikos Karnesis
Comments & help added

m-toolbox/classes/@mfh/multinest.m | 94 ++++++-----+
1 file changed, 84 insertions(+), 10 deletions(-)

-----
[2017-01-12 18:30:09 +0100] [4fa114303] Nikos Karnesis
Changes to the original code, and a document summarising them

m-toolbox/m/etc/matlabmultinest/NSMain/draw_mcmc.m | 7 +-+
.../m/etc/matlabmultinest/NSMain/draw_multinest.m | 7 +-+
.../m/etc/matlabmultinest/NSMain/nested_sampler.m | 148 ++++++-----
.../matlabmultinest/NSMain/optimal_ellipsoids.m | 3 +-+
m-toolbox/m/etc/matlabmultinest/ltpda_changes | 56 ++++++
5 files changed, 123 insertions(+), 98 deletions(-)

-----
[2017-01-12 18:28:15 +0100] [acefd7bcd] Nikos Karnesis
A more stable version where we use the modified functions from the m/etc dir

m-toolbox/classes/@mfh/multinest.m | 506 +-----+
1 file changed, 13 insertions(+), 493 deletions(-)

-----
[2017-01-12 17:39:15 +0100] [bffb12f33] Nikos Karnesis
A first version of the multicast wrapper in ltpda. Needs some cleaning

m-toolbox/classes/@mfh/multinest.m | 679 ++++++-----+
1 file changed, 679 insertions(+)

-----
[2017-01-12 17:37:36 +0100] [98dbff4c1] Nikos Karnesis
the original files of Matlab multinest

.../m/etc/matlabmultinest/Examples/data_line.txt | 21 ++
.../etc/matlabmultinest/Examples/example_eggbox.m | 34 ++
.../m/etc/matlabmultinest/Examples/example_line.m | 42 ++
.../Examples/example_line_with_outliers.m | 38 ++
.../example_line_with_outliers_and_marginalization.m | 39 ++
.../matlabmultinest/Examples/example_sinusoid.m | 56 +++
.../matlabmultinest/Examples/example_triangle.m | 24 ++
m-toolbox/m/etc/matlabmultinest/LICENSE | 62 +++
.../m/etc/matlabmultinest/NSMain/calc_ellipsoid.m | 74 +++++
.../matlabmultinest/NSMain/draw_from_ellipsoid.m | 47 ++
m-toolbox/m/etc/matlabmultinest/NSMain/draw_mcmc.m | 248 ++++++-----
.../m/etc/matlabmultinest/NSMain/draw_multinest.m | 79 +++++
.../m/etc/matlabmultinest/NSMain/in_ellipsoids.m | 53 ++
m-toolbox/m/etc/matlabmultinest/NSMain/logplus.m | 22 ++
m-toolbox/m/etc/matlabmultinest/NSMain/mchol.m | 154 ++++++
m-toolbox/m/etc/matlabmultinest/NSMain/nest2pos.m | 148 ++++++
.../m/etc/matlabmultinest/NSMain/nested_sampler.m | 362 ++++++-----
.../matlabmultinest/NSMain/optimal_ellipsoids.m | 69 +++
.../NSMain/plot_2d_livepoints_with_ellipses.m | 30 ++
.../matlabmultinest/NSMain/rescale_parameters.m | 24 ++
.../etc/matlabmultinest/NSMain/scale_parameters.m | 27 ++
.../m/etc/matlabmultinest/NSMain/split_ellipsoid.m | 178 ++++++-----
m-toolbox/m/etc/matlabmultinest/README | 85 +++++
.../etc/matlabmultinest/Unsorted/draw_from_torus.m | 54 ++
.../m/etc/matlabmultinest/Unsorted/eggbox_model.m | 27 ++
.../m/etc/matlabmultinest/Unsorted/ellipsoid_2d.m | 51 ++
.../m/etc/matlabmultinest/Unsorted/ellipsoid_3d.m | 62 +++
m-toolbox/m/etc/matlabmultinest/Unsorted/hist2.m | 91 +++++
.../m/etc/matlabmultinest/Unsorted/line_model.m | 41 ++
.../m/etc/matlabmultinest/Unsorted/logL_gaussian.m | 81 +++++
.../Unsorted/logL_mixture_gaussian.m | 86 +++++
.../Unsorted/logL_model_likelihood.m | 16 +
m-toolbox/m/etc/matlabmultinest/Unsorted/logt.m | 14 +
.../m/etc/matlabmultinest/Unsorted/posteriors.m | 61 +++

```

```
....m/etc/matlabmultinest/Unsorted/readdata_line.m | 23 ++
....m/etc/matlabmultinest/Unsorted/sinusoid_model.m | 49 ===
....m/Unsorted/test_draw_from_ellipsoid.m | 58 ====
....m/Unsorted/test_optimal_ellipsoids.m | 346 =====
....m/etc/matlabmultinest/Unsorted/triangle_model.m | 22 ++
39 files changed, 2998 insertions(+)

-----
[2016-12-24 16:43:33 +0100] [973d7a7d8] danielvetrugno
a couple of fixes to make flscovSegments properly working

m-toolbox/classes/@matrix/flscovSegments.m | 24 =====
1 file changed, 17 insertions(+), 7 deletions(-)

-----
[2016-12-01 10:14:17 -0500] [33c0588e7] Ira Thorpe
added cycles unit for phase

m-toolbox/classes/@unit/toSI.m | 4 ===
m-toolbox/classes/@unit/unit.m | 3 ++
2 files changed, 5 insertions(+), 2 deletions(-)

-----
[2016-11-28 15:48:42 +0100] [526785f5e] Nikos Karnesis
A more sensible help message will print on screen

m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 4 ===
1 file changed, 3 insertions(+), 1 deletion(-)

-----
[2016-11-23 15:58:45 +0100] [e1687e48b] Martin Hewitson
I think we can afford for this to be just a warning rather than an error.

m-toolbox/classes/@plist/plist2cmds.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)

-----
[2016-11-23 15:12:51 +0100] [182cf4107] Nikos Karnesis
True-false flag to display the time origin in iplot

m-toolbox/classes/@ao/iplot.m | 6 =====
1 file changed, 5 insertions(+), 1 deletion(-)

-----
[2016-11-20 07:51:23 +0100] [b34540c33] Martin Hewitson
Code hardening. Ensure the index range is computed from integers to avoid rounding issues.

m-toolbox/classes/@ao/split_samples_core.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-11-20 07:50:55 +0100] [b119f9e0c] Martin Hewitson
Code hardening. Check we have a timespan before trying to access its properties.

m-toolbox/classes/@ao/convert.m | 2 ++
1 file changed, 2 insertions(+)

-----
[2016-11-08 09:35:01 +0100] [35dad683d] Martin Hewitson
Bug fix. If we call this inside a method, it can be that the input variable names are empty, for example calling plus(ao_array) would break this.

m-toolbox/classes/@ao/elementOp.m | 11 =====
1 file changed, 10 insertions(+), 1 deletion(-)

-----
[2016-10-27 08:12:10 +0200] [4799e191c] Martin Hewitson
Reverse this commit as it stops the user from being to make different noise streams! We need to think through this interface again to satisfy the two requirements.

m-toolbox/classes/@plist/getSetRandState.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-10-22 07:57:04 +0200] [91f4aa159] Martin Hewitson
Merge branch 'development' of gitlab.aei.uni-hannover.de:ltpda/ltpda_src into development

-----
[2016-10-22 07:34:35 +0200] [2070d95ef] Martin Hewitson
I don't think there's a real need for this warning here. The tool is only meant to work with input units of time [s], but we call it for all objects in iplot, which results in many useless warnings.

m-toolbox/classes/+utils/@plottools/convertXunits.m | 4 ++
1 file changed, 3 insertions(+), 1 deletion(-)

-----
[2016-10-21 12:09:07 -0400] [bdd9f1397] Ira Thorpe
handled edge case of near zero offsets

m-toolbox/classes/@ao/sumjoin.m | 4 ===
1 file changed, 2 insertions(+), 2 deletions(-)
```

-----  
[2016-10-14 15:50:09 +0100] [ca4d730a1] Daniel Hollington  
Restored old behavior if ao is xydata type.

m-toolbox/classes/@ao/interp.m | 3 +++  
1 file changed, 3 insertions(+)

-----  
[2016-10-13 15:48:56 -0400] [eaecfe29f] Ira Thorpe  
added sorting

m-toolbox/classes/+utils/@repository/getLatestObject.m | 4 +---  
1 file changed, 3 insertions(+), 1 deletion(-)

-----  
[2016-10-13 15:17:05 -0400] [428a4af6c] Ira Thorpe  
changed output format

m-toolbox/classes/+utils/@repository/getLatestObject.m | 11 ++++++---  
1 file changed, 8 insertions(+), 3 deletions(-)

-----  
[2016-10-13 14:09:44 -0400] [e48d99fac] Ira Thorpe  
helper method for locating and sorting by time all objects with a certain name in a database

m-toolbox/classes/+utils/@repository/getLatestObject.m | 6 ++++++  
1 file changed, 6 insertions(+)

-----  
[2016-10-12 13:17:48 -0400] [8c2bbf0e4] Ira Thorpe  
new helper method for finding latest tsdata object

.../classes/+utils/@repository/getLatestObject.m | 75 ++++++-----  
m-toolbox/classes/+utils/@repository/repository.m | 1 +  
2 files changed, 76 insertions(+)

-----  
[2016-10-06 09:34:47 +0200] [2159bf697] Martin Hewitson  
Bug fix: we may not have a filled in timespan.

m-toolbox/classes/@ao/convert.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2016-09-29 19:03:30 +0200] [e1b8ba1f2] Ferran Gibert  
Bug in assigning dy to output values when joining overlapping aos (Mantis 974)

m-toolbox/classes/@ao/join.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2016-09-19 15:00:04 -0400] [2c5230a61] Ira Thorpe  
added scalar multiplicaiton behavior for mtimes

m-toolbox/classes/@matrix/mtimes.m | 32 ++++++-----  
1 file changed, 32 insertions(+)

-----  
[2016-09-06 12:27:12 +0200] [2f038a317] Martin Hewitson  
Bug fix: if the units are empty, just return, otherwise we crash on a copy() further down.

m-toolbox/classes/@ltpda\_vector/simplifyUnits.m | 4 +---  
1 file changed, 4 insertions(+)

-----  
[2016-08-23 09:46:03 +0200] [f068f620a] Mauro Hueller  
Increase version number

m-toolbox/makeToolbox.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2016-08-19 17:59:19 +0200] [9474f8524] Martin Hewitson  
If the user passes in a RandStream structure, then use the algorithm from that.

m-toolbox/classes/@plist/getSetRandState.m | 7 +---  
1 file changed, 6 insertions(+), 1 deletion(-)

-----  
[2016-08-19 17:46:02 +0200] [0d49f30a7] Martin Hewitson  
Bug fix (I hope). Don't see why we should shuffle the seed each time. That stops the user from making repeated data sets with the same numbers.

m-toolbox/classes/@plist/getSetRandState.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2016-08-11 22:44:54 -0400] [004724154] Ira Thorpe  
Added static method to generate time object from GPS time

```
m-toolbox/classes/@time/time.m | 15 ++++++
1 file changed, 15 insertions(+)

[2016-08-06 08:39:10 +0200] [88427c346] Mauro Hueller
Increase version number

m-toolbox/makeToolbox.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-08-06 08:29:30 +0200] [0f8cc8c2f] Mauro Hueller
Cosmetics

m-toolbox/classes/@ao/dsmean.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-07-15 15:51:48 -0400] [1f02a795a] Ira Thorpe
fixed edge case bug

m-toolbox/classes/@ao/subsData.m | 6 +++++
1 file changed, 6 insertions(+)

[2016-07-08 13:44:34 +0100] [aa724a54c] Daniel Hollington
If the down-sample factor for the input/output frequency was a non-integer the output frequency was being set
incorrectly. This fixes that and warns the user.

m-toolbox/classes/@ao/dsmean.m | 7 +++++-
1 file changed, 6 insertions(+), 1 deletion(-)

[2016-07-05 21:41:22 +0200] [96ce1f87f] Ira Thorpe
overload toSI operator for ltpda_containers (collection & matrix)

m-toolbox/classes/@ltpda_container/toSI.m | 106 ++++++
1 file changed, 106 insertions(+)

[2016-07-05 15:20:09 +0200] [cfb80776b] Ira Thorpe
New method to save all objects in a collection to a directory

m-toolbox/classes/@collection/collection.m | 1 +
m-toolbox/classes/@collection/saveAllObjects.m | 97 ++++++
2 files changed, 98 insertions(+)

[2016-06-24 14:19:40 -0400] [bde6575e4] Ira Thorpe
changed computation of intervals

m-toolbox/classes/+utils/@helper/extractTransitionTimes.m | 5 +---
1 file changed, 2 insertions(+), 3 deletions(-)

[2016-06-11 14:29:38 +0200] [f476c3b10] Sarah Paczkowski
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into SarahP/free_flight_fitting

[2016-06-10 15:17:01 +0200] [a41ce33cc] Nikos Karnesis
Bug fix: For some reason the mfh.name fails without an output now, so we have to assign it to a variable before

m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)

[2016-06-09 11:20:24 +0200] [a55d4ad59] Mauro Hueller
Increase version number

m-toolbox/makeToolbox.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-06-06 05:48:45 +0200] [94715f63d] Mauro Hueller
Increase version number

m-toolbox/makeToolbox.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-06-04 13:32:53 +0200] [289b7c272] danielvetrugno
fix units problem when computing residuals

m-toolbox/classes/@ao/performFFTcore.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)

[2016-06-02 13:06:07 +0100] [0841db1f4] Daniel Hollington
The desired interpolation method passed to consolidate was not being passed on.

m-toolbox/classes/@ao/consolidate.m | 7 +++++-
```

```
1 file changed, 5 insertions(+), 2 deletions(-)
```

```
-----  
[2016-05-31 05:43:05 +0200] [30d3cb8f6] Mauro Hueller  
Increase version number
```

```
m-toolbox/makeToolbox.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2016-05-24 16:59:01 +0300] [4de7ec3a7] Nikos Karnesis  
Bug fix: Check if the paramsDef is empty before checking the content of the paramsDef.names
```

```
m-toolbox/classes/@mfh/eval.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2016-05-23 17:38:44 +0200] [92e6dee6b] Martin Hewitson  
Add merge option to the xydata case.
```

```
m-toolbox/classes/@ao/join.m | 29 ++++++-----  
1 file changed, 27 insertions(+), 2 deletions(-)
```

```
-----  
[2016-05-18 10:33:23 +0200] [9eb1f5317] Mauro Hueller  
Increase version number
```

```
m-toolbox/makeToolbox.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2016-05-16 17:37:04 +0200] [bfd0bc605] Nikos Karnesis  
Code optimisation fix for user made mfh cost functions: Avoid using subsref and call eval as a method. Significant improvement in terms of speed.
```

```
m-toolbox/classes/@MCMC/preprocessMFH.m | 10 +++++-  
1 file changed, 6 insertions(+), 4 deletions(-)
```

```
-----  
[2016-05-16 16:49:38 +0200] [d3659dfc5] Nikos Karnesis  
More proper fix: If the input pest has different order than the paramsDef, we replace the parameter definition and rebuild the function handle.
```

```
m-toolbox/classes/@mfh/eval.m | 30 ++++++-----  
1 file changed, 14 insertions(+), 16 deletions(-)
```

```
-----  
[2016-05-14 15:37:11 +0200] [98629a910] Nikos Karnesis  
Bug fix: store the index of the parameters when the inputs is a pest object as well. Algorithms such as fminsearch will always wrap double() no matter the "version" of the model.
```

```
m-toolbox/classes/@mfh/eval.m | 8 +++++-  
1 file changed, 6 insertions(+), 2 deletions(-)
```

```
-----  
[2016-05-13 13:43:47 +0200] [a6709933b] Nikos Karnesis  
Try to evaluate the functions for checking and also storing the parameter index
```

```
m-toolbox/classes/@MCMC/defineLogLikelihood.m | 7 ++++++  
m-toolbox/classes/@mfh/fminsearch.m | 7 ++++++  
2 files changed, 14 insertions(+)
```

```
-----  
[2016-05-13 13:43:18 +0200] [98417783c] Nikos Karnesis  
Making the parameter index persistent. That way we store it and allow search algorithms to use the input parameters in the correct order
```

```
m-toolbox/classes/@mfh/eval.m | 7 +++++-  
1 file changed, 5 insertions(+), 2 deletions(-)
```

```
-----  
[2016-05-13 13:01:12 +0200] [bf33024a7] Nikos Karnesis  
A proposed solution for the eval function of the mfh objects, when the input pest has different order of parameters than the paramsDef one. This fixes the problem when callerIsMethod is true, but does not fix the problem when used in algorithms such as fminsearch (we wrap double() around the input pest).
```

```
m-toolbox/classes/@mfh/eval.m | 9 ++++++  
1 file changed, 8 insertions(+), 1 deletion(-)
```

```
-----  
[2016-05-13 12:58:26 +0200] [d43782f30] Nikos Karnesis  
Bug fix when plotting: The plot was failing for k0 and k1 different than 1
```

```
m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2016-05-10 18:31:36 +0200] [9b07d4696] Nikos Karnesis  
Bug fix: The evaluation of a mfh object fails when the input pest object has the same name with one of its parameters. For now we throw an error on that case and urge the user to choose another name. To be discussed more.
```

```
m-toolbox/classes/@mfh/mfh.m | 3 +++
1 file changed, 3 insertions(+)

-----
[2016-05-09 13:16:26 +0200] [a8734be07] Nikos Karnesis
Bug fix: making the calculations work for sampling frequency other than 1Hz

m-toolbox/classes/+utils/@math/psd.m | 27 ++++++=====
1 file changed, 27 insertions(+)

-----
[2016-05-09 13:10:28 +0200] [4b17bbebb] Nikos Karnesis
Cosmetics

m-toolbox/classes/@MCMC/computeICSMatrix.m | 3 +-
m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 4 +-
2 files changed, 3 insertions(+), 4 deletions(-)

-----
[2016-05-05 13:28:04 +0200] [065353908] Michele Armano
utils.autoReporter(): fixed bug when saving plots due to pwd

m-toolbox/classes/+utils/@autoReporter/autoReporter.m | 5 +---
1 file changed, 3 insertions(+), 2 deletions(-)

-----
[2016-05-04 13:28:59 +0200] [6381157fb] Mauro Hueller
Increased version tag

m-toolbox/makeToolbox.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-05-03 17:30:18 +0100] [c1cd86880] Daniel Hollington
Added a logical flag to prevent the HTML report being generated/opened when a search is performed. The report is still generated by default but can now be turned off. This prevents Matlab falling over if the user is searching for many objects, for example in a loop.

m-toolbox/classes/+utils/@repository/search.m | 13 ++++++---
1 file changed, 11 insertions(+), 2 deletions(-)

-----
[2016-04-25 12:55:48 +0200] [8d97c9869] Martin Hewitson
This earlier bug fix was a bug.

m-toolbox/classes/@ao/noisePower.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-04-25 12:55:36 +0200] [0d0ec3b5d] Martin Hewitson
Further bug fix: we want the real df here, so just get it from the data.

m-toolbox/classes/@ao/noisePower.m | 5 +---
1 file changed, 3 insertions(+), 2 deletions(-)

-----
[2016-04-25 08:06:25 +0200] [152d6b18c] Martin Hewitson
Bug fix: the segment time was wrongly applied.

m-toolbox/classes/@ao/noisePower.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-04-25 08:06:03 +0200] [a7fe954e2] Martin Hewitson
Scale total power to be integrated power.

m-toolbox/classes/@ao/noisePower.m | 3 +-
1 file changed, 2 insertions(+), 1 deletion(-)

-----
[2016-04-25 08:05:30 +0200] [fd382bfc9] Martin Hewitson
Bug fix: wrong indexing for computing segment times.

m-toolbox/classes/@ao/noisePower.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-04-25 08:05:10 +0200] [33cd3acb8] Martin Hewitson
Add support for multiple frequency bands.

m-toolbox/classes/@ao/noisePower.m | 9 ++++++-
1 file changed, 6 insertions(+), 3 deletions(-)

-----
[2016-04-23 06:06:00 +0200] [19f8650f3] Mauro Hueller
Increased version tag

m-toolbox/makeToolbox.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

-----
```

[2016-04-22 15:38:40 +0200] [cb5bc509d] Nikos Karnesis  
Fixed issue when using data with sampling frequency other than 1: Scaling (to PSD) moved to the very end of the FFT calculation. Fix applies for both ao and mfh functions.

```
m-toolbox/classes/@ao/flscov.m | 2 +-  
m-toolbox/classes/@ao/performFFTcore.m | 10 ++++++---  
m-toolbox/classes/@mfh/flscov.m | 2 +-  
3 files changed, 9 insertions(+), 5 deletions(-)
```

-----  
[2016-04-22 15:16:55 +0200] [a3c8eb441] liuli  
"rivised the calculation of the length of each segment. "

```
m-toolbox/classes/@ao/wosa.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

-----  
[2016-04-22 07:40:59 +0200] [4e96eeaab] Martin Hewitson  
Be a little more generous in listing the groups.

```
m-toolbox/classes/@LTPDANamedItem/listGroups.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

-----  
[2016-04-21 09:53:17 +0200] [31eb5b9f8] liuli  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2016-04-21 09:52:58 +0200] [de69720b0] liuli  
"fixed a tiny mistake: correct the nfft calculation when the first element of the mask is 0. "

```
m-toolbox/classes/@ao/wosa.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

-----  
[2016-04-20 17:22:16 +0200] [8ac34d045] Ingo Diepholz  
Add a special case for the LPF mission. This mission creates for each day a separate database. If the user doesn't define a timespan then tries the method to get the data from 8 a.m. to 8 a.m. of the next day. The day is defined by the database name.

```
m-toolbox/classes/@LTPDANamedItem/retrieve.m | 13 ++++++-----  
1 file changed, 13 insertions(+)
```

-----  
[2016-04-20 12:17:16 +0200] [5f1c9765b] Mauro Hueller  
Bug fix: the output content was logically the opposite as the documented and expected value

```
m-toolbox/classes/+utils/@repository/findDuplicates.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

-----  
[2016-04-19 21:37:47 +0200] [315e6388f] Mauro Hueller  
Updated version tag

```
m-toolbox/makeToolbox.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

-----  
[2016-04-19 18:29:09 +0200] [a54813aae] Mauro Hueller  
Bug fix: in the case of parameter names not specified by plist, we were not recording the history correctly.

```
m-toolbox/classes/@pest/subset.m | 3 +++  
1 file changed, 3 insertions(+)
```

-----  
[2016-04-19 08:19:02 -0600] [432d7fb01] Martin Hewitson  
A new method which dumps the pest object as a LaTeX table which can be cut/paste into a document.

```
m-toolbox/classes/@pest/toLaTeX.m | 128 ++++++-----  
1 file changed, 128 insertions(+)
```

-----  
[2016-04-19 08:18:26 -0600] [7386cffce] Martin Hewitson  
Semicolon missing.

```
m-toolbox/classes/@ao/noisePower.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

-----  
[2016-04-19 08:18:11 -0600] [9444e2fb1] Martin Hewitson  
Properly deal with the errors with different x units.

```
m-toolbox/classes/@ao/iplot.m | 10 ++++++  
1 file changed, 10 insertions(+)
```

-----  
[2016-04-15 10:37:52 +0200] [90ac9b4c0] Mauro Hueller  
An attempt to fix MANTIS issue 0000967 also for cell arrays of objects

```
m-toolbox/classes/+utils/@prog/mcell2str.m | 17 ++++++-----  
1 file changed, 17 insertions(+)
```

[2016-04-13 16:03:24 +0200] [346db1896] Mauro Hueller  
 An attempt to fix MANTIS issue 0000967

```
m-toolbox/classes/@plist/string.m | 3 +-  

1 file changed, 2 insertions(+), 1 deletion(-)
```

[2016-04-10 07:12:44 +0200] [62e54a2d1] Mauro Hueller  
 Increased version tag

```
m-toolbox/makeToolbox.m | 2 +-  

1 file changed, 1 insertion(+), 1 deletion(-)
```

[2016-04-10 07:04:18 +0200] [fbbf6ec1b] Mauro Hueller  
 Just fixing comment

```
m-toolbox/classes/@tsdata/setT0.m | 2 +-  

1 file changed, 1 insertion(+), 1 deletion(-)
```

[2016-04-09 16:46:07 +0200] [49acd79e] danielvetrugno  
 bug fix to flscov in order to use always the same frequency bins for the fit and the psd calculation

```
m-toolbox/classes/@ao/flscov.m | 24 ++++++-----  

m-toolbox/classes/@mfh/flscov.m | 11 ++++++--  

2 files changed, 24 insertions(+), 11 deletions(-)
```

[2016-04-08 11:49:46 +0200] [7c72df9bd] danielvetrugno  
 change of the default plist for welch plist to include mask also for cpsd and cohore

```
m-toolbox/classes/@ao/psd.m | 4 ----  

m-toolbox/classes/@plist/plist.m | 5 +++++  

2 files changed, 5 insertions(+), 4 deletions(-)
```

[2016-04-06 14:44:09 +0200] [b6aadc64d] Nikos Karnesis  
 Bug fixes to the ao version of the method. Also changing to the default values.

```
m-toolbox/classes/@ao/flscov.m | 13 +++++-----  

1 file changed, 5 insertions(+), 8 deletions(-)
```

[2016-04-03 07:26:21 +0200] [e6b023bfd] Martin Hewitson  
 Use a sensible formatting string for assigning the name.

```
m-toolbox/classes/@ao/heterodyne.m | 2 +-  

1 file changed, 1 insertion(+), 1 deletion(-)
```

[2016-04-01 18:40:01 +0200] [ad7c68bb4] Mauro Hueller  
 Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

[2016-04-01 18:38:47 +0200] [9decf17c7] Mauro Hueller  
 Slightly more precise on the test data I have. Still not perfect.

```
m-toolbox/classes/@ao/setReferenceTime.m | 2 +-  

1 file changed, 1 insertion(+), 1 deletion(-)
```

[2016-04-01 06:19:48 +0200] [bc135b9d0] Martin Hewitson  
 Bug fix in help text.

```
m-toolbox/classes/@ao/bicohere.m | 2 +-  

1 file changed, 1 insertion(+), 1 deletion(-)
```

[2016-03-31 14:11:18 +0200] [40ef6466c] Ingo Diepholz  
 Bug fix: It is necessary to copy the objects before compressing the history. Otherwise it modifies the object with a 'modifier' command. Checking the output (nargout) will not help for detecting a modifier command because the following code modifies the objects but it uses an output: a = ao.randn(10,10); s.data = a; save('my\_struct.mat', 's') a.hist

```
m-toolbox/classes/@ltpda_uoh/saveobj.m | 10 ++++++----  

1 file changed, 10 insertions(+)
```

[2016-03-30 07:19:38 +0200] [7d0e6ba00] Martin Hewitson  
 Support the option of exporting binary mat files, and do a better job of checking the file extension.

```
m-toolbox/classes/@ao/export.m | 13 ++++++-----  

1 file changed, 13 insertions(+)
```

[2016-03-28 10:32:29 +0200] [edaa72a4d] Mauro Hueller  
 Increase version tag

```
m-toolbox/makeToolbox.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-03-28 10:08:16 +0200][a85cf207a] Martin Hewitson
Added some options to allow choosing the mean PSD or the total power. Also allow for skipping bins.

m-toolbox/classes/@ao/noisePower.m | 23 ++++++-----+
1 file changed, 20 insertions(+), 3 deletions(-)

[2016-03-25 17:33:08 +0100][c514d12d6] Ferran Gibert
Specify PSD key and correct enbw multiplication

m-toolbox/classes/@ao/noisePower.m | 6 +++++-
1 file changed, 5 insertions(+), 1 deletion(-)

[2016-03-24 15:51:10 +0100][430caaf65] Martin Hewitson
We can only index these fields if they are not empty.

m-toolbox/classes/@pest/subset.m | 4 +++
1 file changed, 4 insertions(+)

[2016-03-24 13:20:39 +0100][a4a160615] Mauro Hueller
Make sure we do not filter data other than double (the only class supported by Matlab's filtfilt)

m-toolbox/classes/@ao/filtfilt.m | 10 ++++++-
1 file changed, 8 insertions(+), 2 deletions(-)

[2016-03-24 13:18:45 +0100][099caebaa] Mauro Hueller
Cosmetics

m-toolbox/classes/@ao/resample.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-03-23 22:29:07 +0100][fa6b7f70c] Mauro Hueller
Typo

m-toolbox/classes/@ao/split.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-03-23 22:28:46 +0100][7f4f6d644] Mauro Hueller
That was a nasty one. In order to avoid numerical issues when subtracting big numbers, we need to allow a little
tolerance in considering two times to be 'equal'. The test I found was: 6e-17 difference in times of order
1458768463 or so. But it was sufficient to bring a wrong assignment of the starting time.

m-toolbox/classes/@ao/split.m | 13 ++++++-
1 file changed, 11 insertions(+), 2 deletions(-)

[2016-03-23 16:30:43 +0000][d943ff496] Daniel Hollington
Allow the 'merge' option to be passed to join. The default is false therefore maintains previous behavior.

m-toolbox/m/built_in_models/ao/ao_model_retrieve_in_timespan.m | 5 +++
1 file changed, 3 insertions(+), 2 deletions(-)

[2016-03-22 12:26:39 +0100][a5a19f011] Ingo Diepholz
Merge remote-tracking branch 'origin/Ingo/intersectForLTPDANamedItem' into development

[2016-03-21 20:33:23 +0100][003aeb9cc] Ingo Diepholz
Update description

m-toolbox/classes/@LTPDANamedItem/ismember.m | 5 +++
m-toolbox/classes/@LTPDANamedItem/sort.m | 5 +++
2 files changed, 6 insertions(+), 4 deletions(-)

[2016-03-21 20:16:57 +0100][75264960c] Ingo Diepholz
Update to MATLAB's behaviour

m-toolbox/classes/@LTPDANamedItem/unique.m | 12 ++++++-
1 file changed, 8 insertions(+), 4 deletions(-)

[2016-03-21 20:16:04 +0100][c7f17f49c] Ingo Diepholz
New methods: ismember and sort

m-toolbox/classes/@LTPDANamedItem/ismember.m | 11 ++++++-
m-toolbox/classes/@LTPDANamedItem/sort.m | 14 ++++++-
2 files changed, 25 insertions(+)

[2016-03-21 14:13:01 +0100][48cd4f359] Mauro Hueller
Updated product page
```

```

.../html_help/help/ug/ltpda_product_page.html      | 30 ++++++-----+
1 file changed, 15 insertions(+), 15 deletions(-)

-----
[2016-03-21 13:23:35 +0100][1529fe667] Nikos Karnesis
Bug fix: making the plotting work for multiple experiments

m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 6 +-----
1 file changed, 3 insertions(+), 3 deletions(-)

-----
[2016-03-20 21:47:26 +0100][7e3f6b22e] Mauro Hueller
An utility to split AOs on the same common interval

m-toolbox/classes/@ao/truncate.m | 111 ++++++-----+
1 file changed, 111 insertions(+)

-----
[2016-03-20 18:45:08 +0100][a51e3b7f2] Mauro Hueller
Changed the default value so that this is inactive if not explicitly set

m-toolbox/classes/@ao/resampleToCommonGrid.m | 3 +-+
1 file changed, 2 insertions(+), 1 deletion(-)

-----
[2016-03-20 18:44:20 +0100][92635a825] Mauro Hueller
This option should be false by default

m-toolbox/classes/@ao/resampleToCommonGrid.m | 2 +-+
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-03-20 18:01:09 +0100][17ec244f4] Mauro Hueller
Help fixed

m-toolbox/classes/@ao/resampleToCommonGrid.m | 8 ++++++-
1 file changed, 4 insertions(+), 4 deletions(-)

-----
[2016-03-18 21:51:41 +0100][accc8e121] Luigi Ferraioli
Bug fixed. Select call was not working properly. found a workaround for avoiding breaking but need more investigation

m-toolbox/classes/@matrix/flscovSegments.m | 24 ++++++-----+
1 file changed, 19 insertions(+), 5 deletions(-)

-----
[2016-03-18 18:36:32 +0100][b174ca597] Mauro Hueller
It looks like we support the number of points to be a fancy string.

m-toolbox/classes/@ao/xspec.m | 2 +-+
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-03-18 11:52:16 +0100][f3349b66c] Ingo Diepholz
Retrieve all objects names which are returned by the method: getAllParameterNames

m-toolbox/classes/@LTPDANamedItem/retrieve.m | 13 ++++++-----+
1 file changed, 8 insertions(+), 5 deletions(-)

-----
[2016-03-18 11:51:05 +0100][36631e78c] Ingo Diepholz
Add a new method: getAllParameterNames

m-toolbox/classes/@LTPDANamedItem/LTPDANamedItem.m | 7 ++++++-
1 file changed, 7 insertions(+)

-----
[2016-03-18 11:11:51 +0100][a786c66d7] Ingo Diepholz
Bug fix: Add getInfo method

m-toolbox/classes/@LTPDANamedItem/LTPDANamedItem.m | 3 +++
1 file changed, 3 insertions(+)

-----
[2016-03-18 11:11:32 +0100][88e52f048] Ingo Diepholz
Add Parameters Description Link

m-toolbox/classes/@LTPDANamedItem/retrieve.m | 4 +---+
1 file changed, 3 insertions(+), 1 deletion(-)

-----
[2016-03-18 10:59:00 +0100][858f97835] Ingo Diepholz
Check which representation the user want (binary or XML)

m-toolbox/classes/@LTPDANamedItem/retrieve.m | 9 ++++++-
1 file changed, 8 insertions(+), 1 deletion(-)

-----
[2016-03-18 10:17:40 +0100][50c2e01bb] Mauro Hueller

```

Report on screen the number of averages calculated when specifying the window length. The info is also stored in the 'navy' field. This solves Mantis issue 0000958

```
m-toolbox/classes/@ao/xspec.m | 4 +++
1 file changed, 4 insertions(+)
```

---

[2016-03-17 13:08:16 +0100] [1b748cd94] Mauro Hueller

Implemented the collection case as a single call to the ao method, allowing plotting on the same figure and automatic color setting

```
m-toolbox/classes/@ltpda_container/iplotPSD.m | 5 +++++
1 file changed, 5 insertions(+)
```

---

[2016-03-17 10:00:21 +0100] [db2a70148] Mauro Hueller

Major bug fix: we need to use the correct length when producing the time grid for the interpolation!

```
m-toolbox/classes/@ao/resampleToCommonGrid.m | 1 +
1 file changed, 1 insertion(+)
```

---

[2016-03-17 09:59:21 +0100] [39b1978d2] Mauro Hueller

Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

---

[2016-03-17 09:56:26 +0100] [b4c572e72] Mauro Hueller

Support the case of an empty common interval: in this case issue a warning to make the user aware the output objects will be empty.

```
m-toolbox/classes/@ao/resampleToCommonGrid.m | 3 +++
1 file changed, 3 insertions(+)
```

---

[2016-03-17 09:55:37 +0100] [584659a21] Mauro Hueller

A minor change to ensure more accuracy in calculation

```
m-toolbox/classes/@ao/resampleToCommonGrid.m | 4 +--
1 file changed, 2 insertions(+), 2 deletions(-)
```

---

[2016-03-17 09:55:05 +0100] [4960b2e9b] Mauro Hueller

Support the case for an empty common interval. In this case we exit with an empty timespan object and issue a warning.

```
m-toolbox/classes/@ao/getCommonInterval.m | 5 +++++
1 file changed, 5 insertions(+)
```

---

[2016-03-17 07:29:39 +0100] [7e4730bba] Martin Hewitson

Bug fix: we need to account for the sample rate when computing the segment times.

```
m-toolbox/classes/@ao/noisePower.m | 1 +
1 file changed, 1 insertion(+)
```

---

[2016-03-16 19:05:23 +0100] [a38ebb89e] danielvetrugno

Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

---

[2016-03-16 19:04:59 +0100] [d7e38a338] danielvetrugno

fix a numerical issue due to fft and wosa having a slightly different frequency vector

```
m-toolbox/classes/@ao/flscov.m | 16 ++++++-----
m-toolbox/classes/@mfh/flscov.m | 12 ++++++---
2 files changed, 19 insertions(+), 9 deletions(-)
```

---

[2016-03-16 17:53:06 +0100] [023373762] Mauro Hueller

Nice job.

```
m-toolbox/classes/@ao/wosa.m | 0
1 file changed, 0 insertions(+), 0 deletions(-)
```

---

[2016-03-16 17:24:51 +0100] [f76fc8f5d] Mauro Hueller

Use BH92 as a default here

```
m-toolbox/classes/+utils/@helper/process_spectral_options.m | 4 +--
1 file changed, 2 insertions(+), 2 deletions(-)
```

---

[2016-03-16 17:24:26 +0100] [3a55435b5] Mauro Hueller

Help clarified

```
m-toolbox/classes/@ao/wosa.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)
```

---

[2016-03-16 16:30:05 +0100] [b64f7f986] Mauro Hueller

Cosmetics

```

m-toolbox/classes/@ao/wosa.m | 0
1 file changed, 0 insertions(+), 0 deletions(-)

[2016-03-16 14:26:31 +0100][b31d00aef] Ingo Diepholz
New method which uses a LTPDANamedItem object for query a database

m-toolbox/classes/@LTPDANamedItem/retrieve.m | 109 ++++++=====
1 file changed, 109 insertions(+)

[2016-03-16 10:55:37 +0100][3520bbc84] Nikos Karnesis
Giving a proper name to the output model

m-toolbox/classes/@mfh/flscov.m | 1 +
1 file changed, 1 insertion(+)

[2016-03-16 06:51:55 +0100][bcf2ef952] Mauro Hueller
Version increase

m-toolbox/makeToolbox.m | 2 +-+
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-03-16 06:51:28 +0100][dde054e6c] Mauro Hueller
An utility to resample a set of tsdata A0 to the same time grid.

m-toolbox/classes/@ao/resampleToCommonGrid.m | 198 ++++++=====
1 file changed, 198 insertions(+)

[2016-03-16 06:50:52 +0100][e2dd75421] Mauro Hueller
A couple utilities to find the common the overall interval spun by a set of tsdata A0s

m-toolbox/classes/@ao/getCommonInterval.m | 126 ++++++=====
m-toolbox/classes/@ao/getGeneralInterval.m | 122 ++++++=====
2 files changed, 248 insertions(+)

[2016-03-15 15:58:00 +0100][ebbb455ef] Ingo Diepholz
Bug fix: It is necessary to 'left join' the two tables 'objmeta' and 'objs'

m-toolbox/classes/+utils/@repository/getObjectIdInTimespan.m | 6 +----+
1 file changed, 3 insertions(+), 3 deletions(-)

[2016-03-14 12:52:28 +0100][c61a84c4c] Ingo Diepholz
Bug fix: It seems that we don't use that method very often because the quick-hack was at the wrong position and it exist since ages.

m-toolbox/classes/@plist/merge.m | 10 ++++++-
1 file changed, 5 insertions(+), 5 deletions(-)

[2016-03-14 05:54:18 +0100][d32a062c5] Mauro Hueller
Added an 'offset' parameter to allow the mean to start with the desired number of samples delay

m-toolbox/classes/@ao/dsmean.m | 25 ++++++=====
1 file changed, 18 insertions(+), 7 deletions(-)

[2016-03-13 16:23:18 +0100][616ec4373] Mauro Hueller
Bug fixed in calculating the average time

m-toolbox/classes/@ao/dsmean.m | 10 ++++++-
1 file changed, 6 insertions(+), 4 deletions(-)

[2016-03-13 15:14:21 +0100][23162c39c] Mauro Hueller
Added alternative key 'fsout'

m-toolbox/classes/@ao/fixfs.m | 1 +
1 file changed, 1 insertion(+)

[2016-03-13 09:05:11 +0100][8db48f542] Mauro Hueller
We don't want to add () when doing + and -. Dealing with complicated expressions, we might hit Matlab's nesting limit which is 32 ...

m-toolbox/classes/@mfh/elementOp.m | 10 ++++++=====
1 file changed, 10 insertions(+)

[2016-03-12 06:25:04 +0100][87d1a1a31] Mauro Hueller
Bug fix: we need to take the subset of the correlation matrix

m-toolbox/classes/@pest/subset.m | 1 +
1 file changed, 1 insertion(+)

```

```
-----
[2016-03-11 18:19:18 +0100] [4c93d6bb7] Ingo Diepholz
This class doesn't fulfil any of the LTPDA class convention. I have added some necessary 'features'

m-toolbox/classes/+utils/@helper/ltpda_classes.m |  1 +
m-toolbox/classes/@LTPDANamedItem/LTPDANamedItem.m | 54 ++++++-----+
m-toolbox/classes/@LTPDANamedItem/fromStruct.m | 48 ++++++-----+
m-toolbox/classes/@LTPDANamedItem/update_struct.m | 26 ++++++-----+
m-toolbox/classes/@ltpda_uoh/fromStruct.m | 14 ++++++
5 files changed, 128 insertions(+), 15 deletions(-)

-----
[2016-03-11 18:16:56 +0100] [75757231b] Ingo Diepholz
Bug fix: Add missing fields: 'funcDef', 'paramsDef', 'numeric'

m-toolbox/classes/@mfh/fromStruct.m | 27 ++++++-----+
1 file changed, 27 insertions(+)

-----
[2016-03-11 05:57:18 +0100] [a3b6c4503] Martin Hewitson
nicer and easier to just check if the object is a subclass of ltpda_uoh. If it is, we can add history. Otherwise, we can't.

m-toolbox/classes/@collection/getObjectAtIndex.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-03-10 16:12:09 +0100] [8bdf544c3] Michele Armano
getObjectAtIndex: fix to retrieve objects with no history

m-toolbox/classes/@collection/getObjectAtIndex.m | 2 ++
1 file changed, 2 insertions(+)

-----
[2016-03-09 15:51:35 +0000] [a1c15ba18] Daniel Hollington
I think if the timespan is empty it should be removed, otherwise the timespan of the final object is reset to empty.

m-toolbox/classes/@ltpda_uoh/fromModel.m | 3 ++
1 file changed, 3 insertions(+)

-----
[2016-03-08 21:42:14 +0100] [8eae01a1b] Mauro Hueller
Version update since we have a major bug fix here

m-toolbox/makeToolbox.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-03-08 14:41:52 +0100] [c6ab18a43] Martin Hewitson
A first version of a new tool which estimates the mean noise power density in a frequency band as a function of time.

m-toolbox/classes/@ao/noisePower.m | 156 ++++++-----+
1 file changed, 156 insertions(+)

-----
[2016-03-07 20:08:58 +0100] [539a28571] Victor Martin
New parameter to autoReporter, to indicate if images must be closed after being added to report

m-toolbox/classes/+utils/@autoReporter/autoReporter.m | 14 ++++++-----+
1 file changed, 12 insertions(+), 2 deletions(-)

-----
[2016-03-05 16:16:38 +0100] [86ffb1f72] danielvetrugno
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

-----
[2016-03-05 16:16:34 +0100] [3573149b5] danielvetrugno
ao version: we split properly the frequency series and the resulting psd used for weighting. This solves the problem of choosing properly the frequency for fitting given k0. k0 should be always put to 5

m-toolbox/classes/@ao/flscov.m | 11 ++++++-----+
1 file changed, 9 insertions(+), 2 deletions(--)

-----
[2016-03-05 16:15:15 +0100] [3a3711768] Nikos Karnesis
Bug fix: We cannot use the function setParams for mfh models

m-toolbox/classes/@pest/subset.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-03-05 14:39:16 +0100] [ef4b9b0c0] danielvetrugno
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

-----
[2016-03-05 14:39:11 +0100] [c4df5d144] danielvetrugno
we split properly the frequency series and the resulting psd used for weighting. This solves the problem of choosing properly the frequency for fitting given k0. k0 should be always put to 5
```

```
m-toolbox/classes/@mfh/flscov.m | 14 ++++++-----  
1 file changed, 11 insertions(+), 3 deletions(-)

[2016-03-05 14:36:46 +0100] [eec5eb4c8] danielvetrugno  
we need to choose the frequency outside performFFTcore

m-toolbox/classes/@ao/performFFTcore.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-03-05 06:09:27 +0100] [96b9b0c56] Mauro Hueller  
Fixed variable name

m-toolbox/classes/@ao/timeshift.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-03-04 11:05:39 -0500] [d0f8c42cf] Ira Thorpe  
added option to adjust the t0 when shifting the starting x-value to 0. Option is off by default and should not  
effect default behavior

m-toolbox/classes/@ao/timeshift.m | 9 +++++++  
1 file changed, 9 insertions(+)

[2016-03-03 05:23:10 +0100] [575888395] Mauro Hueller  
We have some rare case of old databases with empty data in there. We might need to duplicate them, just to  
preserve the number of objects. So to avoid the error in writing the metadata, we mark those as cdata.

m-toolbox/classes/+utils/@repository/insertObjMetadata.m | 4 +++++  
1 file changed, 4 insertions(+)

[2016-03-02 15:42:57 +0100] [328d4dd07] Ingo Diepholz  
Make loglikelihood_core_whittle 'hidden' because this method is not a 'normal' LTPDA method which returns e.g. a  
minfo object.

m-toolbox/classes/@mfh/mfh.m | 1 +  
1 file changed, 1 insertion(+)

[2016-03-02 11:13:00 +0100] [eecda9cc7] Mauro Hueller  
Use the core version of the 5point diff estimator.

m-toolbox/classes/@ao/diff.m | 10 +++++-----  
1 file changed, 4 insertions(+), 6 deletions(-)

[2016-03-02 11:08:45 +0100] [24367e8b6] Mauro Hueller  
Cosmetics

m-toolbox/classes/@ao/diff.m | 3 +-  
1 file changed, 2 insertions(+), 1 deletion(-)

[2016-03-02 11:07:19 +0100] [3c9acbac9] Mauro Hueller  
Use the core method rather than a wrapper around it

m-toolbox/classes/@ao/diff.m | 12 +++++-----  
1 file changed, 3 insertions(+), 9 deletions(-)

[2016-03-02 11:03:17 +0100] [e4f0b6d0e] Mauro Hueller  
A core version of the code for the 5-points diff operator

m-toolbox/classes/@ao/ao.m | 1 +  
m-toolbox/classes/@ao/diff5p_core.m | 13 ++++++-----  
2 files changed, 14 insertions(+)

[2016-03-02 11:02:07 +0100] [2f3c2c1f9] Mauro Hueller  
Cosmetics

m-toolbox/classes/@ao/diff3p_core.m | 0  
1 file changed, 0 insertions(+), 0 deletions(-)

[2016-03-01 13:56:44 -0500] [75d126759] Ira Thorpe  
added indices of outliers to procinfo

m-toolbox/classes/@ao/detectOutliers.m | 4 +++++  
1 file changed, 4 insertions(+)

[2016-03-01 14:20:27 +0100] [9577766c3] Martin Hewitson  
Bug fix: the overlap was not treated properly.

m-toolbox/classes/@ao/spectrogram.m | 2 ++  
1 file changed, 2 insertions(+)
```

-----  
[2016-02-29 19:41:18 +0100] [941aa4c30] Mauro Hueller  
Added a parameter 'axis' to support scaling of the x data as well  
m-toolbox/classes/@ao/scale.m | 74 ++++++-----  
1 file changed, 51 insertions(+), 23 deletions(-)

-----  
[2016-02-29 19:38:06 +0100] [04fda23bb] Martin Hewitson  
Code hardening. Make sure we really have a unit object before trying to copy it. In principle this shouldn't happen since we have a setter rule, but if for some reason that doesn't get called...  
m-toolbox/classes/@LTPDANamedItem/copy.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2016-02-29 12:49:03 +0100] [e15223ec6] Mauro Hueller  
Removed unsupported parameter  
m-toolbox/classes/@ao/scale.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2016-02-29 10:12:15 +0100] [e6a28f70f] Mauro Hueller  
And here we go! Version 3.0 is coming!  
m-toolbox/makeToolbox.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2016-02-29 10:08:24 +0100] [be2a24220] Mauro Hueller  
Added support for a few time units: h - hours (==3600 s) min - minutes (==60 s) d, D - day (==86400 s)  
m-toolbox/classes/@unit/toSI.m | 10 +++++++  
m-toolbox/classes/@unit/unit.m | 1 +  
2 files changed, 11 insertions(+)

-----  
[2016-02-28 16:40:46 +0100] [41defa1ec] Martin Hewitson  
By default, set the marker colour to match the line colour.  
m-toolbox/classes/@plotinfo/plotinfo.m | 2 +-  
1 file changed, 2 insertions(+)

-----  
[2016-02-28 16:40:20 +0100] [994f105e7] Martin Hewitson  
Set figure names where possible.  
m-toolbox/classes/@ao/iplotyy.m | 51 ++++++-----  
1 file changed, 48 insertions(+), 3 deletions(-)

-----  
[2016-02-28 16:40:06 +0100] [58ebbe919] Martin Hewitson  
Ensure the objects are on the same time-reference otherwise the plots don't line up.  
m-toolbox/classes/@ao/iplotyy.m | 6 +++++  
1 file changed, 6 insertions(+)

-----  
[2016-02-25 18:05:15 +0000] [5c629c6fb] Daniel Hollington  
Merge branch 'development' into MRH/3DdataWork

-----  
[2016-02-25 18:04:22 +0000] [0bb2bb334] Daniel Hollington  
Fixed the case when merging objects where some have uncertainties and others don't.  
m-toolbox/classes/@ao/join.m | 28 ++++++-----  
1 file changed, 16 insertions(+), 12 deletions(-)

-----  
[2016-02-23 15:15:20 +0100] [dafffbcc5] Lennart Wissel  
add missing semi-colon at end of line  
m-toolbox/classes/@collection/plotTrends.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2016-02-23 11:40:11 +0000] [60454b5e8] Daniel Hollington  
Merge branch 'development' into MRH/3DdataWork

-----  
[2016-02-21 21:53:58 +0100] [dabec1ed2] Mauro Hueller  
Added a 'type' plist parameter to allow user choosing between miir and mfir filters  
m-toolbox/classes/@ao/lowpass.m | 11 +++++++  
1 file changed, 11 insertions(+)

-----  
[2016-02-20 16:14:37 +0100] [d443b9da2] Martin Hewitson  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

```

-----
[2016-02-20 16:14:28 +0100][735f01686] Martin Hewitson
The beginnings of a useful repository searching tool. Not finished yet.

m-toolbox/classes/+utils/@repository/repository.m |  1 +
m-toolbox/classes/+utils/@repository/search.m      | 96 ++++++=====
2 files changed, 97 insertions(+)

-----
[2016-02-19 13:16:27 -0500][e317035b3] Ira Thorpe
Added default methods aliases() and preferredAliasName() for LTPDANamedItem objects. These are overwritten for
MTelemetry, LTPDATelemetry, ST7Telemetry, etc.

m-toolbox/classes/@LTPDANamedItem/LTPDANamedItem.m | 18 ++++++=====
1 file changed, 18 insertions(+)

-----
[2016-02-19 11:13:46 +0100][e8c39c999] Nikos Karnesis
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

-----
[2016-02-19 10:41:59 +0100][219485d4a] Nikos Karnesis
Re-arranging places of coefficients in the various functions.

m-toolbox/classes/@MCMC/mhsample.m | 28 ++++++=====
.../classes/@mfh/loglikelihood_core_noiseFit_v1.m |  2 +-+
.../classes/@mfh/loglikelihood_core_whittle.m |  4 +---+
.../m/built_in_models/mfh/mfh_model_fft_signals.m |  4 +---+
.../built_in_models/mfh/mfh_model_loglikelihood.m |  4 +---+
5 files changed, 24 insertions(+), 18 deletions(-)

-----
[2016-02-18 17:01:22 +0100][b5abba487] Mauro Hueller
Added SI equivalent for Counts

m-toolbox/classes/@unit/toSI.m |  3 +++
1 file changed, 3 insertions(+)

-----
[2016-02-18 15:51:29 +0100][b296dc1bb] Ingo Diepholz
New method which query a database for a timespan in the 'metadata.keywords' column.

.../utils/@repository/getObjectIdInTimespan.m | 99 ++++++=====
m-toolbox/classes/+utils/@repository/repository.m |  1 +
2 files changed, 100 insertions(+)

-----
[2016-02-16 05:31:58 +0100][6dcbc8214] Mauro Hueller
Adding the chance to relax the duration test

.../tests/database/@ltpda_objmeta_table/test_objmeta_submitted.m | 9 ++++++=====
1 file changed, 5 insertions(+), 4 deletions(-)

-----
[2016-02-15 17:20:10 +0000][f1ca2b22e] Daniel Hollington
Make sure an integer is passed to zeros.

m-toolbox/classes/@ao/sumjoin.m | 2 +-+
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-02-14 10:42:01 +0100][d49aad843] Mauro Hueller
Increase version

m-toolbox/makeToolbox.m | 2 +-+
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-02-14 09:39:46 +0100][87e0cab06] Martin Hewitson
Add support for the mask option. We filter the segments used according to the mask supplied by the user. An empty
mask results in all segments being used.

m-toolbox/classes/@ao/wosa.m | 17 ++++++=====
1 file changed, 17 insertions(+)

-----
[2016-02-14 09:39:07 +0100][230bef5f7] Martin Hewitson
Added a mask option to allow the user to exclude segments in the averaging process.

m-toolbox/classes/@ao/psd.m | 4 +++
1 file changed, 4 insertions(+)

-----
[2016-02-14 07:17:26 +0100][32b9e7693] Martin Hewitson
The constants are objects now, not just cell-arrays of strings.

m-toolbox/classes/@mfh/fromDom.m | 2 +-+
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-02-13 17:57:35 +0100][31844f99f] Mauro Hueller

```

Removed the tests about this method since it uses the Control Toolbox, which is not available on the test machine.

```
.../test_bode_all_inputs_outputs.m | 28 -----
.../tests/ssm/@test_ssm_bodecst/test_getInfo.m | 36 -----
.../@test_ssm_bodecst/test_preserves_plotinfo.m | 7 -----
.../tests/ssm/@test_ssm_bodecst/test_ssm_bodecst.m | 18 -----
4 files changed, 89 deletions(-)
```

---

[2016-02-13 16:47:06 +0100] [d9373b260] Mauro Hueller  
Since I have no idea on how this call to the method should work, I am removing the test.

```
.../ssm/@test_ssm_psd/test_pzmodel_ao_input.m | 42 -----
1 file changed, 42 deletions(-)
```

---

[2016-02-12 13:58:23 +0100] [48e066dde] Martin Hewitson  
A new method which returns a plist of segment indices from a given PSD plist. It can be passed straight to split.  
Useful for checking the segments that psd averages.

```
m-toolbox/classes/@plist/psdSegments.m | 116 ++++++-----+
1 file changed, 116 insertions(+)
```

---

[2016-02-12 13:39:54 +0100] [a4b4a3d13] Mauro Hueller  
Supporting cdata for the index

```
m-toolbox/classes/@ao/select.m | 10 ++++++-
1 file changed, 10 insertions(+)
```

---

[2016-02-12 11:22:00 +0100] [a7c0b3548] Martin Hewitson  
We need to support the case of directly using LTPDANamedItems, not just subclasses, as often strings are promoted to be LTPDANamedItems in pipelines.

```
m-toolbox/classes/@LTPDANamedItem/attachToDom.m | 37 ++++++-----+
1 file changed, 33 insertions(+), 4 deletions(-)
```

---

[2016-02-12 11:21:21 +0100] [eb1cd3a0d] Martin Hewitson  
Extend the usefulness of the error message.

```
m-toolbox/classes/+utils/@xml/getFromType.m | 4 +--+
1 file changed, 2 insertions(+), 2 deletions(-)
```

---

[2016-02-11 19:37:50 +0100] [f3adee936] Martin Hewitson  
When working with real data, we often have to join objects with slightly different sample rates, and then these MATLAB warnings with the full backtrace are just annoying and distract from 'real' warnings. So I've replaced the warning with a simple print statement. Open for discussion on this.

```
m-toolbox/classes/@ao/join.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)
```

---

[2016-02-11 07:25:59 +0100] [23277a4bd] Mauro Hueller  
Time vectors are also supported.

```
m-toolbox/classes/@ao/timeaverage.m | 4 +--+
1 file changed, 2 insertions(+), 2 deletions(-)
```

---

[2016-02-10 09:33:43 +0100] [a06d6e2f2] Martin Hewitson  
Merge branch 'development' into MRH/3DdataWork

---

[2016-02-09 19:12:03 +0100] [56491189b] Mauro Hueller  
A test that looks more reasonable to me ... and which is also passing.

```
.../test_pzmodel_ao_input.m | 19 ++++++-----+
1 file changed, 13 insertions(+), 6 deletions(-)
```

---

[2016-02-09 19:11:37 +0100] [f7f661196] Mauro Hueller  
Fixed wrong variable name

```
m-toolbox/classes/@ssm/cpsdForCorrelatedInputs.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
```

---

[2016-02-09 17:40:22 +0000] [94e15f32f] Daniel Hollington  
Allow join's zerofill parameter to be passed to retrieve\_in\_timespan. Default behavior is as before.

```
m-toolbox/m/built_in_models/ao/ao_model_retrieve_in_timespan.m | 7 +----+
1 file changed, 4 insertions(+), 3 deletions(-)
```

---

[2016-02-09 10:22:26 -0500] [a48297a03] Ira Thorpe  
Added option to output table strings as cell arrays for use in making auto reporter tables

```
m-toolbox/classes/@pest/table.m | 12 ++++++-----+
```

```
1 file changed, 12 insertions(+)
```

```
-----  
[2016-02-09 13:35:34 +0000] [3f71471c0] Daniel Hollington  
Merge branch 'development' into MRH/3DdataWork
```

```
-----  
[2016-02-09 13:30:40 +0000] [9850f35c4] Daniel Hollington  
Make sure the timespan the data covers is propagated forward correctly for 3Ddata, if the x-axis is time.
```

```
m-toolbox/classes/@ao/convert.m | 35 ++++++-----  
m-toolbox/classes/@ao/stack.m | 13 ++++++--  
2 files changed, 40 insertions(+), 8 deletions(-)
```

```
-----  
[2016-02-09 11:14:44 +0100] [bb3b74112] Mauro Hueller  
Some robustness enhancing. I suspect the tests are not the use case the developer had in mind...
```

```
m-toolbox/classes/@ssm/cpsdForCorrelatedInputs.m | 7 +++++-  
1 file changed, 6 insertions(+), 1 deletion(-)
```

```
-----  
[2016-02-09 11:13:52 +0100] [e11d29176] Mauro Hueller  
Avoid using a function name for a variable
```

```
.../ssm@test_ssm_cpsdForCorrelatedInputs/test_covariance_input.m | 4 +---  
.../tests/ssm@test_ssm_cpsdForCorrelatedInputs/test_cpsd_input.m | 4 +---  
2 files changed, 4 insertions(+), 4 deletions(-)
```

```
-----  
[2016-02-09 10:57:51 +0100] [c7236c218] Mauro Hueller  
Ensure the test has the correct inputs
```

```
.../tests/ssm@test_ssm_cpsdForCorrelatedInputs/test_ao_input.m | 6 +----  
1 file changed, 5 insertions(+), 1 deletion(-)
```

```
-----  
[2016-02-09 10:32:01 +0100] [87e0485c6] Mauro Hueller  
Apply the same check
```

```
m-toolbox/classes/@ssm/cpsdForCorrelatedInputs.m | 14 ++++++-----  
1 file changed, 9 insertions(+), 5 deletions(-)
```

```
-----  
[2016-02-09 10:31:28 +0100] [990d3d550] Mauro Hueller  
Actually, the correct check is this one, I think
```

```
m-toolbox/classes/@ssm/cpsdForCorrelatedInputs.m | 10 ++++++-----  
1 file changed, 8 insertions(+), 2 deletions(-)
```

```
-----  
[2016-02-09 07:14:10 +0100] [5f2c691c4] Mauro Hueller  
Bug fix: the test is needed only in some cases
```

```
m-toolbox/classes/@ssm/cpsdForCorrelatedInputs.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2016-02-08 12:49:14 +0100] [44e6b300a] Mauro Hueller  
Bug fix: in some cases this variable was not defined
```

```
m-toolbox/classes/@ao/join.m | 2 +-  
1 file changed, 2 insertions(+)
```

```
-----  
[2016-02-05 15:37:39 +0000] [589e23bd9] Daniel Hollington  
Created a simple ao method for stacking xydata.
```

```
m-toolbox/classes/@ao/stack.m | 113 ++++++-----  
1 file changed, 113 insertions(+)
```

```
-----  
[2016-02-04 14:14:45 +0000] [4316a2e28] Daniel Hollington  
Starting with a clean copy of Martin's recent update to join on the development branch, I have re-added xyzdata  
functionality.
```

```
-----  
[2016-02-04 12:57:23 +0100] [fe8e69e88] Martin Hewitson  
Major refactoring into sub-functions. All tests under utp_1.1 are passing. Not sure if we have any more.
```

```
m-toolbox/classes/@ao/join.m | 508 ++++++-----  
1 file changed, 272 insertions(+), 236 deletions(-)
```

```
-----  
[2016-02-03 19:15:29 +0000] [e04cec212] Daniel Hollington  
Added the capability for xyzdata to be joined.
```

```
m-toolbox/classes/@ao/join.m | 143 ++++++-----  
1 file changed, 140 insertions(+), 3 deletions(-)
```

[2016-02-03 13:28:25 +0000] [a0d5dc153] Daniel Hollington  
Merge branch 'development' into MRH/3DdataWork

[2016-02-02 18:51:50 +0000] [30a007db4] Daniel Hollington

Added a new way of performing a join for tsdata. Rather than join input tsdata sequentially the merge option combines overlapping data and then drops duplicates. Uses pre-existing sort code and I borrowed (read stole) section of code from dropduplicates. Controlled by 'merge' switch param and the duplicate drop tolerance is set by 'duptol'.

m-toolbox/classes/@ao/join.m | 51 ++++++-----  
1 file changed, 50 insertions(+), 1 deletion(-)

[2016-02-02 15:44:06 +0000] [f764f07fa] Peter Wass  
Merge branch 'development' into MRH/3DdataWork

[2016-02-02 14:51:16 +0100] [06b4ec90f] Martin Hewitson

Add a plist option to deactivate the temporal sort of the input objects. There are clear cases where the order of the input objects should be preserved.

m-toolbox/classes/@ao/join.m | 5 +++++  
1 file changed, 5 insertions(+)

[2016-02-01 16:54:42 +0100] [d605b427d] Mauro Hueller

Fall back to sprintf also in the case the command is issued on the command line. The call to LTPDAprintf was wrong anyways.

m-toolbox/classes/+utils/@helper/msg.m | 4 +-  
1 file changed, 2 insertions(+), 2 deletions(-)

[2016-02-01 16:20:16 +0100] [485791d7e] Mauro Hueller

Since these info are not needed any more, we can remove this query.

m-toolbox/classes/@ltpda\_uo/retrieve.m | 3 ---  
1 file changed, 3 deletions(-)

[2016-02-01 16:15:40 +0100] [1d7ca6262] Mauro Hueller  
Cosmetics

m-toolbox/classes/@ltpda\_uo/retrieve.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-02-01 16:15:13 +0100] [968f497b5] Mauro Hueller

Bug fix: make sure that, as the configuration plist claims, we can specify xunits and yunits.

m-toolbox/classes/@ao/fromDataInMAT.m | 18 ++++++-----  
1 file changed, 18 insertions(+)

[2016-01-31 10:08:21 +0100] [86a1e91d8] Martin Hewitson

Another utility to set the line properties of all lines on the current axes.

m-toolbox/classes/+utils/@plottools/allLines.m | 30 ++++++-----  
m-toolbox/classes/+utils/@plottools/plottools.m | 1 +  
2 files changed, 31 insertions(+)

[2016-01-31 10:08:00 +0100] [51c7e5943] Martin Hewitson

Only change the size if the user gives a size.

m-toolbox/classes/+utils/@plottools/allMarkers.m | 9 +++++---  
1 file changed, 5 insertions(+), 4 deletions(-)

[2016-01-30 18:36:23 +0100] [9b9de0b4b] Martin Hewitson

A useful plot utility for turning on markers on all traces on the current axes.

m-toolbox/classes/+utils/@plottools/allMarkers.m | 30 ++++++-----  
m-toolbox/classes/+utils/@plottools/plottools.m | 1 +  
2 files changed, 31 insertions(+)

[2016-01-29 14:26:27 +0100] [7c47c7547] Victor Martin

autoReporter update. New label to be appended to tittle to differentiate multiReport steps executions. Other minor updates

.../classes/+utils/@autoReporter/autoReporter.m | 80 ++++++-----  
1 file changed, 71 insertions(+), 9 deletions(-)

[2016-01-29 12:21:26 +0100] [b5317d243] Mauro Hueller

Remove deprecated methods

m-toolbox/classes/@ao/mhsample.m | 683 -----  
m-toolbox/classes/@pest/y.m | 80 -----

```
m-toolbox/classes/@ssm/keepParameters.m | 107 -----
3 files changed, 870 deletions(-)

-----
[2016-01-29 09:03:21 +0100] [513adc当地] Martin Hewitson
I don't think there's any need to change name when we didn't change quantity.

m-toolbox/classes/@ao/removeVal.m | 2 --
1 file changed, 2 deletions(-)

-----
[2016-01-27 15:41:56 +0100] [0722d65f7] Nikos Karnesis
Bug fix: the method was failing to get the y-units out of the plist and therefore it was unable to continue its
calculations

m-toolbox/classes/@ao/flscov.m | 20 +++++-----
1 file changed, 5 insertions(+), 15 deletions(-)

-----
[2016-01-27 15:41:06 +0100] [40410b131] Nikos Karnesis
Cosmetics

m-toolbox/classes/@mfh/flscov.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-01-26 12:27:50 +0000] [593a2a7ad] Peter Wass
ConvertFrom3DToXYdata was wrongly making tsdata and fsdata objects. Now the units are also preserved.

m-toolbox/classes/@ao/convert.m | 14 ++++++-----
1 file changed, 11 insertions(+), 3 deletions(-)

-----
[2016-01-26 12:59:10 +0100] [e5546178d] Luigi Ferraioli
an utils to set the legend location of plots

m-toolbox/classes/+utils/@plottools/plottools.m | 1 +
.../classes/+utils/@plottools/setLegendLocation.m | 29 ++++++-----
2 files changed, 30 insertions(+)

-----
[2016-01-25 21:29:27 +0100] [843dc当地] Mauro Hueller
Bug fix: we need to specify the second output also in the simpler case.

m-toolbox/classes/@unit/toSI.m | 1 +
1 file changed, 1 insertion(+)

-----
[2016-01-25 16:19:22 +0100] [762242e3d] Mauro Hueller
Created a collection/iplotPSD and matrix/iplotPSD method as a wrapper of ao/iplotPSD. This solves Mantis issue
0000903.

m-toolbox/classes/@ltpda_container/iplotPSD.m | 102 ++++++-----
1 file changed, 102 insertions(+)

-----
[2016-01-25 16:07:34 +0100] [29b3e0be7] Mauro Hueller
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

-----
[2016-01-25 16:07:19 +0100] [0bdf52607] Mauro Hueller
Supporting also the x axis. This solves Mantis issue 0000946

m-toolbox/classes/@ao/removeVal.m | 52 ++++++-----
1 file changed, 25 insertions(+), 27 deletions(-)

-----
[2016-01-25 16:00:48 +0100] [fcb9959eb] Nikos Karnesis
Fix on the fix: line 228 was not needed any more.

m-toolbox/classes/@mfh/flscov.m | 3 ++
1 file changed, 1 insertion(+), 2 deletions(-)

-----
[2016-01-25 15:55:09 +0100] [473ad6f00] Mauro Hueller
Typo in note

m-toolbox/classes/@ao/removeVal.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-01-25 15:54:45 +0100] [41f557a5f] Mauro Hueller
Option 'xy' is not available also according to help

m-toolbox/classes/@ao/removeVal.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2016-01-25 15:51:23 +0100] [7533d6c49] Nikos Karnesis
Possible bug fix: the method was throwing errors after some recent changes in the toolbox due to missing samples
in splitting
```

```

m-toolbox/classes/@mfh/flscov.m | 17 +++++-----
1 file changed, 5 insertions(+), 12 deletions(-)

[2016-01-25 15:04:05 +0100][b29d161a2] Nikos Karnesis
Bug fix: the 'k0' coefficient was not used

m-toolbox/classes/@ao/flscov.m | 2 ++
m-toolbox/classes/@mfh/flscov.m | 6 +----
2 files changed, 4 insertions(+), 4 deletions(-)

[2016-01-25 14:15:20 +0100][9df528865] Nikos Karnesis
Added another built-in model

m-toolbox/classes/@mfh/loglikelihood_hyper.m | 78 ++++++-----
m-toolbox/classes/@mfh/mfh.m | 1 +
.../built_in_models/mfh/mfh_model_loglikelihood.m | 112 ++++++-----
3 files changed, 191 insertions(+)

[2016-01-25 09:38:44 +0100][7a9337232] Mauro Hueller
Trying to support a scenario where the 'vertices' are in an A0 with a different reference time than the objects being interpolated.

m-toolbox/classes/@ao/interp.m | 10 ++++++-
1 file changed, 9 insertions(+), 1 deletion(-)

[2016-01-25 09:36:57 +0100][b51451e5c] Mauro Hueller
Cosmetics

m-toolbox/classes/@ao/interp.m | 0
1 file changed, 0 insertions(+), 0 deletions(-)

[2016-01-23 23:40:45 +0000][82028d925] Peter Wass
Only call the getMinT0 sub-function for tsdata: avoids annoying warning about T0 when joining xydata

m-toolbox/classes/@ao/join.m | 2 ++
1 file changed, 2 insertions(+)

[2016-01-23 08:25:58 +0100][e29ada859] Mauro Hueller
We have an issue here ... in general the units should be multiple, but in pairs as reported in MANTIS Issue 0000789. Since we cannot store multiple units, the solutions are: 1) output a matrix object 2) remove the units if they are not the same

m-toolbox/classes/@ao/cov.m | 13 ++++++-----
1 file changed, 10 insertions(+), 3 deletions(-)

[2016-01-22 14:51:20 +0100][02b5b2ed9] Nikos Karnesis
Simplifying the function. Added a true-false flag instead of an array

m-toolbox/classes/@pest/mcmcPlot.m | 12 +++++-----
1 file changed, 4 insertions(+), 8 deletions(-)

[2016-01-22 14:31:30 +0100][d2d78269f] Mauro Hueller
Avoid using a function name as a variable

m-toolbox/classes/@ao/cov.m | 8 +----
1 file changed, 4 insertions(+), 4 deletions(-)

[2016-01-22 09:34:47 +0100][2e464acff] Nikos Karnesis
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

[2016-01-22 09:34:37 +0100][8add1c658] Nikos Karnesis
Minor correction here

m-toolbox/classes/@MCMC/mhsample.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-01-22 07:02:39 +0100][dd878ab62] Mauro Hueller
Bug fix: the units of the results are the square of the original ones!

m-toolbox/classes/@ao/var.m | 3 +++
1 file changed, 3 insertions(+)

[2016-01-21 21:04:59 +0100][fa64056a5] Mauro Hueller
Added functionality according to the help. Code is not smart enough but it's reasonably fast on my machine (5s to check a db with 28000 objects).

.../classes/+utils/@repository/findDuplicates.m | 56 ++++++-----
1 file changed, 42 insertions(+), 14 deletions(-)

```

```

[2016-01-20 22:22:59 +0000][5f420c0b2] Peter Wass
Make interp robust in the case that x-values or vertices or both are not single or double type.

m-toolbox/classes/@ao/interp.m | 4 +---
1 file changed, 2 insertions(+), 2 deletions(-)

[2016-01-20 18:22:34 +0100][7e2e823ea] Oliver Jennrich
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

[2016-01-20 17:58:18 +0100][126100aae] Mauro Hueller
The beginning of a utility to check for duplicated objects in a database. At the moment, it just checks for
repeated UUIDs and reports a flag. More to come.

.../classes/+utils/@repository/findDuplicates.m | 56 ++++++-----+
m-toolbox/classes/+utils/@repository/repository.m | 2 +
2 files changed, 58 insertions(+)

[2016-01-20 17:56:57 +0100][909552f69] Mauro Hueller
Help updated

m-toolbox/classes/+utils/@repository/existObjectInDB.m | 12 ++++++-----
1 file changed, 6 insertions(+), 6 deletions(-)

[2016-01-20 17:51:19 +0100][ac44dc928] Oliver Jennrich
Supervised commit :) Added the possibility to add a logical.

m-toolbox/classes/+utils/@prog/struct2csvFile.m | 2 ++
1 file changed, 2 insertions(+)

[2016-01-20 15:31:41 +0100][e228af1cd] Mauro Hueller
Merge branch 'MH/replicate_work' into development

[2016-01-19 15:20:54 +0000][eb65944fb] Peter Wass
fix a bug where line properties were not set for error bar plots

m-toolbox/classes/@plotinfo/plotinfo.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-01-19 14:41:14 +0100][f4109ae35] Mauro Hueller
Merge branch 'development' into MH/replicate_work

[2016-01-19 10:51:17 +0100][5acdfbca9] Martin Hewitson
Allow the parsing of unit strings to fail, in which case, issue a warning and leave the units empty.

m-toolbox/classes/@unit/unit.m | 9 ++++++-
1 file changed, 9 insertions(+)

[2016-01-15 18:02:20 +0100][49970c9a4] Mauro Hueller
Supporting multiple IDs input. The output is in this case a cell array with the results.

m-toolbox/classes/+utils/@repository/getObjectType.m | 8 ++++++-
1 file changed, 7 insertions(+), 1 deletion(-)

[2016-01-17 10:55:58 +0100][822a8aac8] Mauro Hueller
Merge branch 'development' into MH/replicate_work

[2016-01-17 10:55:25 +0100][24180aea2] Mauro Hueller
Increase version to bring it in line with the latest Ops release.

m-toolbox/makeToolbox.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-01-16 11:55:48 +0100][8ae40ed7b] Mauro Hueller
Revert "Supporting multiple IDs input. The output is in this case a cell array with the results,"

m-toolbox/classes/+utils/@repository/getObjectType.m | 8 +-----
1 file changed, 1 insertion(+), 7 deletions(-)

[2016-01-16 11:55:04 +0100][e52b69d9a] Mauro Hueller
Help clarified

m-toolbox/classes/+utils/@repository/getObjectType.m | 4 +++
1 file changed, 4 insertions(+)

[2016-01-16 11:54:54 +0100][4385cf8fc] Mauro Hueller

```

Bug fix: we need to use this in case of call with multiple IDs

m-toolbox/classes/+utils/@repository/getObjectType.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2016-01-16 07:40:17 +0100] [2d88fc8d8] Martin Hewitson  
Merge branch 'development' into MRH/3DdataWork

[2016-01-15 18:02:20 +0100] [9acd07edf] Mauro Hueller  
Supporting multiple IDs input. The output is in this case a cell array with the results.

m-toolbox/classes/+utils/@repository/getObjectType.m | 8 ++++++-  
1 file changed, 7 insertions(+), 1 deletion(-)

[2016-01-15 18:00:58 +0100] [6ee9defd8] Mauro Hueller  
Avoid using function name for a variable

m-toolbox/classes/+utils/@repository/getObjectType.m | 4 +---  
1 file changed, 2 insertions(+), 2 deletions(-)

[2016-01-15 17:33:23 +0100] [fae7378c0] Mauro Hueller  
Help clarified

m-toolbox/classes/+utils/@repository/getObjectType.m | 4 +---  
1 file changed, 2 insertions(+), 2 deletions(-)

[2016-01-15 16:24:07 +0000] [f1bea80cd] Daniel Hollington  
Added a method to the time class to determine which calendar week the date falls within based on the ISO standard starting on Mondays.

m-toolbox/classes/@time/calendarweek.m | 52 ++++++-----  
1 file changed, 52 insertions(+)

[2016-01-11 08:45:38 +0100] [cd56c2606] Martin Hewitson  
We should return a single object (a matrix) otherwise the history won't work. This will certainly cause issues if the user passes a mix of 2D and 3D objects to convert, but this is a rare use case. Still, we need to think about it.

m-toolbox/classes/@ao/convert.m | 9 +++++++  
1 file changed, 9 insertions(+)

[2016-01-11 08:27:59 +0100] [ae1ea57b5] Martin Hewitson  
Works now for the two specific case (to time-series and to freq series) and for the general case of converting to xydata, where the user needs to specify the axis (x or y) on which to do the slicing.

m-toolbox/classes/@ao/convert.m | 118 ++++++-----  
1 file changed, 110 insertions(+), 8 deletions(-)

[2016-01-11 08:10:03 +0100] [b04ea1d5e] Martin Hewitson  
Bug fixes after the restructuring so that all unit tests pass.

m-toolbox/classes/@ao/convert.m | 16 ++++++-----  
1 file changed, 11 insertions(+), 5 deletions(-)

[2016-01-11 08:00:04 +0100] [c612a4e9c] Martin Hewitson  
Beginnings of 3D support for convert.

m-toolbox/classes/@ao/convert.m | 86 ++++++-----  
1 file changed, 70 insertions(+), 16 deletions(-)

[2016-01-11 07:59:33 +0100] [c6b92fc32] Martin Hewitson  
I prefer to leave the name alone here.

m-toolbox/classes/@ao/split.m | 2 --  
1 file changed, 2 deletions(-)

[2016-01-11 07:36:41 +0100] [96a3fde3b] Martin Hewitson  
Added a new split type which can take slices of a 3D object using 'xrange' and 'yrange'.

m-toolbox/classes/@ao/split.m | 115 ++++++-----  
1 file changed, 114 insertions(+), 1 deletion(-)

[2016-01-10 09:03:25 +0100] [4ea0209ec] Mauro Hueller  
Added t0, units, units to the exported file

m-toolbox/classes/@ao/csvGenerateData.m | 21 ++++++-----  
m-toolbox/classes/@ltpda\_uoh/csvexport.m | 23 ++++++-----  
2 files changed, 43 insertions(+), 1 deletion(-)

```

-----[2016-01-10 09:02:20 +0100][8c8b840b8] Mauro Hueller
Reducing header size
m-toolbox/classes/@ltpda_uoh/csvexport.m | 1 +
1 file changed, 1 insertion(+)

-----[2016-01-08 16:47:08 +0100][01d031728] Mauro Hueller
Help fixed
m-toolbox/classes/@ltpda_uoh/csvexport.m | 4 +---
1 file changed, 1 insertion(+), 3 deletions(-)

-----[2016-01-08 16:45:03 +0100][329b6386e] Mauro Hueller
Typos
m-toolbox/classes/@ao/csvGenerateData.m | 14 ++++++-----
m-toolbox/classes/@ltpda_uoh/csvexport.m | 4 +---
2 files changed, 7 insertions(+), 11 deletions(-)

-----[2016-01-08 16:06:25 +0100][788bb2f51] Mauro Hueller
Typos
m-toolbox/classes/@ao/csvGenerateData.m | 4 +---
m-toolbox/classes/@ltpda_uoh/csvGenerateData.m | 2 +-
2 files changed, 3 insertions(+), 3 deletions(-)

-----[2016-01-08 10:09:28 +0100][0c94a50a6] Martin Hewitson
Only use the axis names if they are different from the default, in other words, if the user really set them. This keeps the same behaviour as before except in the case the user sets the axis names.
m-toolbox/classes/@ao/iplot.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

-----[2016-01-07 12:14:24 +0100][96a74187c] Martin Hewitson
Ensure we always add history otherwise we risk having objects with no history. This will potentially have a performance impact on any methods which generate lots of AOs internally, but at the moment I don't see how to distinguish between cases where we do and don't want to add history. For example, ao.randn(N) was not getting any history because of this.
m-toolbox/classes/@ao/fromVals.m | 4 +++
1 file changed, 4 insertions(+)

-----[2016-01-07 08:59:27 +0100][b4600234b] Martin Hewitson
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

-----[2016-01-07 08:59:18 +0100][324377a61] Martin Hewitson
Actually, we access the axis name through a getter, so we need to check for the method, not for a property.
m-toolbox/classes/@ao/iplot.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

-----[2016-01-07 08:57:00 +0100][b360c28d9] Martin Hewitson
Some code hardening: we need to make sure the data object has this axis before trying to extract its name.
m-toolbox/classes/@ao/iplot.m | 6 +++++-
1 file changed, 5 insertions(+), 1 deletion(-)

-----[2016-01-06 00:19:05 +0100][bcbea810d] Mauro Hueller
Fixed another silly bug.
m-toolbox/classes/@ao/scale.m | 3 +++
1 file changed, 3 insertions(+)

-----[2016-01-05 17:17:02 +0100][eff298d56] Martin Hewitson
If the data has proper axis names, then we can use them.
m-toolbox/classes/@ao/iplot.m | 44 ++++++-----+
1 file changed, 25 insertions(+), 19 deletions(-)

-----[2016-01-01 16:04:52 +0100][2f8866ce1] Martin Hewitson
Ensure the t0 of the resulting fsdata is set to be the first sample of the input time-series.
m-toolbox/classes/@ao/dft.m | 2 ++
1 file changed, 2 insertions(+)

-----[2015-12-29 10:00:23 +0100][3ec9bae96] Mauro Hueller
Make the call to unit/toSI compliant with the new syntax which could give 2 outputs in presence of a scale factor.

```

```
m-toolbox/classes/@ao/lincom.m | 4 +-+
1 file changed, 3 insertions(+), 1 deletion(-)

[2015-12-29 08:58:31 +0100] [02737edd4] Martin Hewitson
A new option to show descriptions in the legend. This is OR'd with the global option in LTPDAprefs.

m-toolbox/classes/@ao/iplot.m | 23 ++++++-----+
1 file changed, 16 insertions(+), 7 deletions(-)

[2015-12-25 09:59:57 +0100] [3c5f2e4b2] Martin Hewitson
Add an alternative key for titles, and use applyDefaults. Don't know why we weren't.

m-toolbox/classes/@ao/iplot.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)

[2015-12-24 12:48:13 +0100] [323490c13] Martin Hewitson
Updated to account for the new timespan property which is a global key in all constructors.

.../classes/tests@ltpda_uoh_tests/test_history_empty_constructor.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-24 12:26:58 +0100] [a419e87cc] Martin Hewitson
Just rearrange the order of the sets so that the unit test doesn't need to be changed.

m-toolbox/classes/@ao/split.m | 16 ++++++-
1 file changed, 7 insertions(+), 9 deletions(-)

[2015-12-23 11:35:07 +0100] [9f8c192de] Martin Hewitson
Variable rename, and add history!

m-toolbox/classes@pest/combine.m | 26 ++++++-----+
1 file changed, 15 insertions(+), 11 deletions(-)

[2015-12-23 11:34:39 +0100] [71b88d7dd] Martin Hewitson
Move this method to its own file and fix it so that it's a proper method with getInfo, history etc.

m-toolbox/classes@pest/pest.m | 42 -----
m-toolbox/classes@pest/removeParameters.m | 152 ++++++-----+
2 files changed, 152 insertions(+), 42 deletions(-)

[2015-12-21 17:53:58 +0100] [4bb4fa93d] Mauro Hueller
Fixed a silly bug.

m-toolbox/classes/@ao/scale.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-21 17:51:56 +0100] [e4c6eac27] Mauro Hueller
Added error propagation for the case where the scale factor is an ao with uncertainty. This solves Mantis issue 0000877.

m-toolbox/classes/@ao/scale.m | 13 ++++++-
1 file changed, 11 insertions(+), 2 deletions(-)

[2015-12-21 16:40:16 +0100] [01e909f85] Mauro Hueller
Extract the relevant part of the covariance matrix.

m-toolbox/classes@pest/subset.m | 1 +
1 file changed, 1 insertion(+)

[2015-12-21 16:39:57 +0100] [270ed6c74] Mauro Hueller
Help fixed

m-toolbox/classes@pest/subset.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-21 16:39:45 +0100] [a49892dd1] Mauro Hueller
Help clarified

m-toolbox/classes@pest/subset.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-21 15:55:23 +0100] [fd47d6173] Mauro Hueller
Fixed a bug for the case of the parameter 'fout' being specified as a range via a factor of doubles. This solves Mantis issue 0000944

m-toolbox/classes/@ao/polyfitSpectrum.m | 9 ++++++-
1 file changed, 9 insertions(+)
```

[2015-12-19 11:19:50 +0100] [b4c8372c0] Martin Hewitson  
I think the logic here was wrong and the x-axis and y-axis names were not being propagated to the plot. Some more testing needed here.

m-toolbox/classes/@ao/iplot.m | 4 ----  
1 file changed, 4 deletions(-)

-----  
[2015-12-19 08:15:29 +0100] [3121ca27c] Martin Hewitson  
Remove indexing of properties and fix indenting.

m-toolbox/classes/@matrix/cross.m | 4 +-+  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2015-12-17 10:51:12 +0100] [291c35383] Martin Hewitson  
In case an array of objects is the value, then we need to loop.

m-toolbox/classes/@plist/string.m | 11 ++++++----  
1 file changed, 7 insertions(+), 4 deletions(-)

-----  
[2015-12-17 08:30:36 +0100] [67291fee7] Martin Hewitson  
Merge branch 'development' into MRH/mfh\_enhance4

-----  
[2015-12-15 17:42:31 +0100] [246675d17] Martin Hewitson  
Remove this workaround as it is illegal on MATLAB 2015b and above.

m-toolbox/classes/@collection/subsref.m | 5 +----  
1 file changed, 1 insertion(+), 4 deletions(-)

-----  
[2015-12-15 17:21:34 +0100] [6702373ce] Nikos Karnesis  
Just an icon to improve the view of the repositories list

icon.png | Bin 0 -> 19082 bytes  
1 file changed, 0 insertions(+), 0 deletions(-)

-----  
[2015-12-14 19:10:40 +0100] [4a765761d] Ingo Diepholz  
a test (reverted from commit f7b8b0a7caf94205c0d71166a882c41206f4b5a9)

m-toolbox/classes/@miir/setB.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-12-14 18:57:34 +0100] [f7b8b0a7c] Ingo Diepholz  
a test

m-toolbox/classes/@miir/setB.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-12-14 12:49:24 -0500] [e67c20887] jslutsky  
made model type selection not fail when confronted with array of models

m-toolbox/classes/@ao/crb.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-12-14 17:12:36 +0100] [049ef1971] Martin Hewitson  
Bug fix: we need to insert the correct number of NaNs.

m-toolbox/classes/@pest/combine.m | 4 +-+  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2015-12-14 17:00:14 +0100] [ee7a5d326] Martin Hewitson  
Update to modern usage of narginchk.

m-toolbox/classes/@mfh/num2cell.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-12-14 15:32:02 +0100] [25e406e2b] Martin Hewitson  
Try to do a better job of setting names.

m-toolbox/classes/@collection/lincom.m | 3 +++  
m-toolbox/classes/@mfh/lincom.m | 4 +-+  
2 files changed, 6 insertions(+), 1 deletion(-)

-----  
[2015-12-14 15:09:51 +0100] [f9465f0dc] Martin Hewitson  
If there are no errors in one of the models, but we have errors in the other, then we need something, so I choose to put NaNs.

m-toolbox/classes/@pest/combine.m | 17 ++++++-----  
1 file changed, 16 insertions(+), 1 deletion(-)

[2015-12-14 15:09:17 +0100] [8ac98fb91] Martin Hewitson  
Upgrade fprintf to a proper message.

m-toolbox/classes/@mfh/eval.m | 4 +-  
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-12-14 12:00:44 +0100] [bbe079705] Martin Hewitson  
Bug fix: this method was not recording history properly.

m-toolbox/classes/@mfh/flscov.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-14 11:28:39 +0100] [0384724bc] Martin Hewitson  
We can't index models like this, we need to use the index() function.

m-toolbox/classes/@pest/find.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-14 10:54:04 +0100] [854d2919c] Martin Hewitson  
What to do in the case that we get more than one collection object? For now I try to make a variable name from the first. Not so nice.

m-toolbox/classes/@collection/subsref.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-14 10:05:27 +0100] [550cd3d71] Martin Hewitson  
Merge branch 'development' into MRH/mfh\_enhance4

[2015-12-14 10:05:19 +0100] [1f7d48241] Martin Hewitson  
OK, despite what Mathworks say about clear classes, it does seem to be necessary.

m-toolbox/m/helper/mc.m | 2 --  
1 file changed, 2 deletions(-)

[2015-12-14 00:07:58 +0000] [2eabca019] Peter Wass  
Preserve the errors on the down-sampled points

m-toolbox/classes/@ao/downsample.m | 33 ++++++-----  
1 file changed, 30 insertions(+), 3 deletions(-)

[2015-12-12 07:56:31 +0100] [8224a98d7] Martin Hewitson  
Using inputname() within subsref is not allowed in new MATLAB versions. So try to make a nice name from the object's name.

m-toolbox/classes/@collection/subsref.m | 5 +---  
1 file changed, 1 insertion(+), 4 deletions(-)

[2015-12-11 13:26:39 +0100] [fce173865] Nikos Karnesis  
Set the interpreter to 'none' for better viewing of the plots

m-toolbox/classes/+utils/@helper/plotTraces.m | 2 +-  
m-toolbox/classes/@pest/mcmcPlot.m | 4 +-  
2 files changed, 3 insertions(+), 3 deletions(-)

[2015-12-11 13:26:15 +0100] [81ee7ba26] Nikos Karnesis  
Changed the default value to something really small.

m-toolbox/classes/@MCMC/mhsample.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-11 12:23:07 +0100] [9634c10b3] Nikos Karnesis  
Added alternative key

m-toolbox/classes/@MCMC/mhsample.m | 1 +  
1 file changed, 1 insertion(+)

[2015-12-10 14:59:18 +0100] [7ddae436a] Nikos Karnesis  
Added another input check here

m-toolbox/m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 9 ++++++-  
1 file changed, 7 insertions(+), 2 deletions(-)

[2015-12-10 14:54:00 +0100] [f9d732506] Nikos Karnesis  
Removing this part. not necessary any more

m-toolbox/m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 8 +-----  
1 file changed, 1 insertion(+), 7 deletions(-)

```
[2015-12-10 14:53:40 +0100][98b78690c] Nikos Karnesis
Making sure the input is always a row vector

m-toolbox/classes/@mfh/loglikelihood_core_noiseFit_v1.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)

[2015-12-10 14:53:25 +0100][7b9d6cc26] Nikos Karnesis
Necessary key here

m-toolbox/classes/@MCMC/preprocess.m | 1 -
1 file changed, 1 deletion(-)

[2015-12-10 14:53:13 +0100][ea1a07f41] Nikos Karnesis
Output a block diagonal matrix for this case

m-toolbox/classes/@MCMC/calculateCovariance.m | 6 ++++++
1 file changed, 6 insertions(+)

[2015-12-10 14:52:47 +0100][8712b1217] Nikos Karnesis
We don't need this statement any more. The built-in model does not give the proposal out

m-toolbox/classes/@MCMC/main.m | 4 ----
1 file changed, 4 deletions(-)

[2015-12-10 14:52:11 +0100][5cd488938] Nikos Karnesis
Making the logic more robust

m-toolbox/classes/@ao/crb.m | 10 +-----
1 file changed, 2 insertions(+), 8 deletions(-)

[2015-12-10 12:47:50 +0100][64c804d25] Nikos Karnesis
A series of checks to make sure that the 'fs' is being passed for the case of numeric models. A little bit ugly
but it works for now. Will have to revisit it later

m-toolbox/classes/@MCMC/calculateCovariance.m | 2 ++
m-toolbox/classes/@ao/crb.m | 17 ++++++-----+
m-toolbox/classes/@mfh/fisher.m | 13 ++++++----
.../m/built_in_models/mfh/mfh_model_loglikelihood.m | 2 ++
4 files changed, 29 insertions(+), 5 deletions(-)

[2015-12-10 11:41:03 +0100][8667b6d41] Nikos Karnesis
Bug fix: forgotten to change removed version from the plist. This caused an error

m-toolbox/classes/@MCMC/buildplist.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-10 09:38:15 +0100][3b72baeeb] Martin Hewitson
Adapt to the deprecation of nargchk in new MATLAB.

m-toolbox/classes/@time/format.m | 2 ++
m-toolbox/classes/@time/strftIME.m | 2 ++
m-toolbox/m/etc/shadedErrorBar/shadedErrorBar.m | 2 ++
3 files changed, 3 insertions(+), 3 deletions(-)

[2015-12-10 09:37:55 +0100][edda61995] Martin Hewitson
Sort of bug fix: go to SI before comparing the units.

m-toolbox/classes/@ao/lincom.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-10 09:37:39 +0100][40b7dc658] Martin Hewitson
Allow the user to pass a uuid.

m-toolbox/classes/+utils/@repository/getObjectType.m | 16 ++++++-----+
1 file changed, 14 insertions(+), 2 deletions(-)

[2015-12-10 05:50:44 +0100][8a59330b0] Martin Hewitson
A new collection method which forms the linear combination of the inner objects. The method simply extracts the
inner objects and passes them on to the lincom of the appropriate class. That means:

m-toolbox/classes/@collection/lincom.m | 145 ++++++-----+
1 file changed, 145 insertions(+)

[2015-12-10 05:49:35 +0100][ec8db22bb] Martin Hewitson
A new method for mfh class which performs a linear combination of the models by evaluating them and combining them
with the given pest object. The models are evaluated and passed on to ao/lincom.

m-toolbox/classes/@mfh/lincom.m | 127 ++++++-----+
1 file changed, 127 insertions(+)
```

```
-----  
[2015-12-09 12:05:51 -0500][83b98690f] jslutsky  
added loop around applyDef() call in constructor to recommission the passing of an mfh array to mfh()  
m-toolbox/classes/@mfh/mfh.m | 5 +++--  
1 file changed, 3 insertions(+), 2 deletions(-)
```

```
-----  
[2015-12-09 13:45:03 +0100][ae90fd131] Martin Hewitson  
Alternative keys for frequencies.
```

```
m-toolbox/classes/@mfh/flscov.m | 2 ++  
1 file changed, 2 insertions(+)
```

```
-----  
[2015-12-09 13:44:35 +0100][838f19e4c] Martin Hewitson  
If the frequencies are not specified, use the full range. Also throw an error if this fails.
```

```
m-toolbox/classes/@mfh/flscov.m | 13 ++++++-----  
1 file changed, 8 insertions(+), 5 deletions(-)
```

```
-----  
[2015-12-09 13:44:07 +0100][71e537dd5] Martin Hewitson  
Do the indexing in a slightly more readable way.
```

```
m-toolbox/classes/@mfh/flscov.m | 5 +++--  
1 file changed, 3 insertions(+), 2 deletions(-)
```

```
-----  
[2015-12-09 13:43:32 +0100][9396324e5] Martin Hewitson  
Adapt to changes in the custom model.
```

```
m-toolbox/classes/@mfh/flscov.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2015-12-09 13:42:16 +0100][8141a2600] Martin Hewitson  
Bug fix: we shouldn't pass the parameters to the model since each model is supposed to produce data without  
parameters. The parameters are for combining the models.
```

```
m-toolbox/classes/@mfh/flscov.m | 6 +++--  
1 file changed, 3 insertions(+), 3 deletions(-)
```

```
-----  
[2015-12-09 13:41:42 +0100][fa45cd504] Martin Hewitson  
Bug fix: we shouldn't pass the parameters to the model since each model is supposed to produce data without  
parameters. The parameters are for combining the models.
```

```
m-toolbox/classes/@mfh/flscov.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2015-12-09 13:41:00 +0100][f51411139] Martin Hewitson  
More efficient just to check the parameter names rather than converting the pest to doubles.
```

```
m-toolbox/classes/@mfh/flscov.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2015-12-09 13:40:31 +0100][792b5014c] Martin Hewitson  
Bug fix: we only use the defaults if they are not empty.
```

```
m-toolbox/classes/@mfh/eval.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2015-12-09 13:40:09 +0100][ce9980254] Martin Hewitson  
Allow retrieving collection objects.
```

```
m-toolbox/classes/@collection/fromRepository.m | 25 ++++++-----  
1 file changed, 25 insertions(+)
```

```
-----  
[2015-12-09 13:39:55 +0100][02d0351a8] Martin Hewitson  
If the frequencies are not specified, use the full range. Also fixed the indenting.
```

```
m-toolbox/classes/@ao/performFFTcore.m | 6 +++++-  
1 file changed, 5 insertions(+), 1 deletion(-)
```

```
-----  
[2015-12-09 13:37:26 +0100][5a75261d7] Martin Hewitson  
At least let's have correct indenting. But ideally this needs to be a private method or better a real method.
```

```
m-toolbox/classes/@ao/lsf.m | 0  
1 file changed, 0 insertions(+), 0 deletions(-)
```

```
-----  
[2015-12-08 19:59:58 +0100][340819ce3] Martin Hewitson  
Merge branch 'development' into MRH/mfh_enhance4
```

[2015-12-08 17:44:42 +0100][606c605e6] Ingo Diepholz  
1. Bug fix: Add the description only for the case that it is not empty. 2. Truncate the description to the maximum number of 30.000 characters :)

m-toolbox/classes/@ltpda\_uo/prepareSinfoForSubmit.m | 5 +---  
1 file changed, 3 insertions(+), 2 deletions(-)

[2015-12-08 17:23:58 +0100][bc46142c7] Ingo Diepholz  
Add the description as a XML String to the meta data keywords.

.../classes/@ltpda\_uo/prepareSinfoForSubmit.m | 43 ++++++-----  
1 file changed, 40 insertions(+), 3 deletions(-)

[2015-12-08 17:23:18 +0100][9d3ffeb29] Ingo Diepholz  
Use java Document class for creating the XML string. I have no idea if this makes it more difficult or easier to understand.

.../classes/@ltpda\_uoh/prepareSinfoForSubmit.m | 43 ++++++-----  
1 file changed, 40 insertions(+), 3 deletions(-)

[2015-12-08 16:12:41 +0100][b94f907ce] Nikos Karnesis  
Fixed logic and tidied up the code

m-toolbox/classes/@MCMC/drawAdaptiveSample.m | 12 +-----  
m-toolbox/classes/@MCMC/jump.m | 8 +-----  
2 files changed, 8 insertions(+), 12 deletions(-)

[2015-12-08 11:52:54 +0100][8a8f645bf] Nikos Karnesis  
Changing the names of the models to more sensible names. The old names were a relic from the past and very confusing. Changes: 'core' -> 'chi2' 'ao' -> 'chi2 ao'

m-toolbox/classes/@MCMC/buildplist.m | 2 +-  
m-toolbox/m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 12 +-----  
2 files changed, 7 insertions(+), 7 deletions(-)

[2015-12-08 08:20:47 +0100][3ccdcfd6] Martin Hewitson  
Proper indenting.

m-toolbox/classes/@MCMC/drawSample.m | 0  
1 file changed, 0 insertions(+), 0 deletions(-)

[2015-12-07 19:22:42 +0100][8a130aa18] Nikos Karnesis  
Adapting to recent changes the rest of the versions of the built-in model

.../built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 99 ++++++-----  
1 file changed, 89 insertions(+), 10 deletions(-)

[2015-12-07 17:21:47 +0100][455655e89] Martin Hewitson  
Try to extract the initial guess from the input model as a courtesy to the user.

.../m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 19 ++++++-----  
1 file changed, 17 insertions(+), 2 deletions(-)

[2015-12-07 17:21:21 +0100][800d9b534] Martin Hewitson  
If no initial guess was given, then use the model defaults.

m-toolbox/classes/@mfh/fminsearch.m | 3 +-  
1 file changed, 2 insertions(+), 1 deletion(-)

[2015-12-07 17:20:54 +0100][980ae3789] Martin Hewitson  
If we don't have any inputs by this stage, then we can use the model's default pest.

m-toolbox/classes/@mfh/eval.m | 5 +---  
1 file changed, 3 insertions(+), 2 deletions(-)

[2015-12-07 14:59:29 +0100][79668b2e2] Martin Hewitson  
Error checking on the sample rate if we need it and it wasn't provided.

m-toolbox/m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 3 +-  
1 file changed, 3 insertions(+)

[2015-12-07 14:59:08 +0100][c27830a54] Martin Hewitson  
This cross-spectrum matrix method doesn't need the fs now.

m-toolbox/m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 1 -  
1 file changed, 1 deletion(-)

[2015-12-07 14:58:47 +0100][face7d090] Martin Hewitson  
default value for fs should be empty so that we can tell if the user set it or not.

```
m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 4 +---  
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-12-07 14:58:05 +0100] [60f0bf6b7] Martin Hewitson  
We can only index models if we have one, but since pest objects don't necessarily have models, we need to check.

m-toolbox/classes/@pest/subset.m | 2 ++  
1 file changed, 2 insertions(+)

[2015-12-07 14:57:35 +0100] [c394b3733] Martin Hewitson  
Improving the user interface to allow passing a string to specify which parameter to set to constant. And if no value is given, then look for the value in the default parameters.

m-toolbox/classes/@mfh/setParamsToConst.m | 21 ++++++-----  
1 file changed, 18 insertions(+), 3 deletions(-)

[2015-12-07 14:56:47 +0100] [ca6c14072] Martin Hewitson  
The default for a string value should be a named item, rather than a telemetry object.

m-toolbox/classes/@mfh/mfh.m | 4 +---  
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-12-07 14:55:51 +0100] [d0ba62cd6] Martin Hewitson  
Perform some regularisation for the case that the parameter value and derivative step turns out to be zero. Anyway, the math here needs checked, I think.

m-toolbox/classes/@mfh/getJacobian.m | 3 +--  
1 file changed, 3 insertions(+)

[2015-12-07 14:54:33 +0100] [061d33288] Martin Hewitson  
Change to allow the constants to be objects, rather than just strings.

m-toolbox/classes/@mfh/declare_objects.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-07 14:54:26 +0100] [75de032cf] Martin Hewitson  
Change to allow the constants to be objects, rather than just strings.

m-toolbox/classes/@mfh/attachToDom.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-07 14:54:08 +0100] [5fefad8ce] Martin Hewitson  
Bug fix: we should throw the correct warning/error in the correct case.

m-toolbox/classes/@ltpda_uo/fromRepository.m | 6 +----  
1 file changed, 5 insertions(+), 1 deletion(-)

[2015-12-07 14:53:17 +0100] [5df9bd8b0] Martin Hewitson  
This key is not used here so it will be moved to where it is used.

m-toolbox/classes/@MCMC/computeICSMatrix.m | 4 ----  
1 file changed, 4 deletions(-)

[2015-12-07 11:29:12 +0100] [11999a41d] Martin Hewitson  
Adapted to work with LTPDANamedItems in the constants field. But we still want to support strings here.

m-toolbox/classes/@mfh/elementOp.m | 5 +---  
1 file changed, 3 insertions(+), 2 deletions(-)

[2015-12-07 11:28:46 +0100] [509783875] Martin Hewitson  
If there is no input, use the default values in the parameter definitions. We have to see if this remains ok.

m-toolbox/classes/@mfh/eval.m | 5 +----  
1 file changed, 5 insertions(+)

[2015-12-07 11:28:12 +0100] [2fa281af3] Martin Hewitson  
This logic was almost certain to throw errors. The real check is, is there a model corresponding to this parameter, otherwise just return the models. Again, see commit 1b35cc12c4255e7e9a0de502b8f3805ae7925290 for further discussion.

m-toolbox/classes/@pest/find.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-07 11:27:17 +0100] [1b35cc12c] Martin Hewitson  
I don't think it's nice (or necessary?) to have an empty smodel() here. It certainly causes problems downstream when we combine pests. Is the policy that we have one smodel for all parameters, or one smodel for each parameter? In any case, how do we enforce that when we combine two pest objects, each of which has one smodel ?
```

```
m-toolbox/classes/@pest/pest.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-07 10:10:51 +0100] [d5fa04182] Martin Hewitson
Merge branch 'development' into MRH/mfh_enhance4

[2015-12-06 20:25:49 +0000] [4a5e28574] Peter Wass
Little bit of tidying up

m-toolbox/classes/@ao/downsample.m | 6 +----
1 file changed, 4 insertions(+), 2 deletions(-)

[2015-12-06 20:24:40 +0000] [36cdbb3f0] Peter Wass
Added support for xy-data, fs-data, c-data. No longer discard errors

m-toolbox/classes/@ao/downsample.m | 55 ++++++-----+
1 file changed, 49 insertions(+), 6 deletions(-)

[2015-12-06 10:01:07 +0100] [81d6f1b4b] Martin Hewitson
A new tool to list databases on a given repository, with optional pattern matching.

.../classes/+utils/@repository/listDatabases.m | 37 ++++++-----+
m-toolbox/classes/+utils/@repository/repository.m | 3 ++
2 files changed, 40 insertions(+)

[2015-12-06 09:38:27 +0100] [01c5674f3] Martin Hewitson
The help text didn't match the functionality. Even though the help text is more correct (preferred) changing the functionality to match would result in unknown chaos, so I change the help text.

m-toolbox/classes/+utils/@mysql/execute.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-05 17:06:07 +0100] [08bd5aa3e] Martin Hewitson
Combine getting column names with row processing since this is more efficient and avoids getting 'inconsistent state' errors from some databases (because the metadata query is not valid once the result set has been scrolled through).

m-toolbox/classes/+utils/@mysql/execute.m | 10 +-----+
1 file changed, 4 insertions(+), 6 deletions(-)

[2015-12-05 13:26:21 +0100] [195f80752] Martin Hewitson
Make sure we put consolidated constant names in the plist.

m-toolbox/classes/@mfh/setConstObjects.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-05 13:18:31 +0100] [a8b69cf78] Martin Hewitson
Updated examples and testing rebuilding.

m-toolbox/examples/test_mfh_custom_2.m | 18 ++++++-----+
1 file changed, 17 insertions(+), 1 deletion(-)

[2015-12-05 13:18:15 +0100] [00277ecef] Martin Hewitson
Bug fix: units were not being copied.

m-toolbox/classes/@pest/copy.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-12-05 12:32:37 +0100] [78ec8222c] Martin Hewitson
Not 100% sure we need this, but I think it causes warnings when we load the cached plist if this method is missing.

m-toolbox/classes/@LTPDANamedItem/loadobj.m | 20 ++++++-----+
1 file changed, 20 insertions(+)

[2015-12-05 12:32:06 +0100] [bd8e3ff5a] Martin Hewitson
Bug fix: wrong type of brackets used -- we need to add cell-arrays to the plist.

m-toolbox/classes/@mfh/setConstObjects.m | 4 +--+
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-12-05 08:49:51 +0100] [5f60aecfd6] Martin Hewitson
A set was missed from the list.

m-toolbox/classes/@ao/split.m | 1 +
1 file changed, 1 insertion(+)

[2015-12-05 08:49:51 +0100] [d57e2c008] Martin Hewitson
```

A set was missed from the list.

```
m-toolbox/classes/@ao/split.m | 1 +
1 file changed, 1 insertion(+)
```

---

```
[2015-12-04 19:26:17 +0100] [2b54eaf9d] Martin Hewitson
Bug fix: we need to be sure we got a plist first.
```

```
m-toolbox/classes/@ao/ao.m | 3 ===
1 file changed, 3 insertions(+)
```

---

```
[2015-12-04 17:52:26 +0100] [5fd1848b1] Martin Hewitson
Check if the callerIsMethod flag is overridden to false. That's the only option we support.
```

```
m-toolbox/classes/@ao/ao.m | 7 =====
1 file changed, 7 insertions(+)
```

---

```
[2015-12-04 17:51:54 +0100] [455d35918] Martin Hewitson
Allow a plist option where the callerIsMethod flag can be overriden.
```

```
m-toolbox/classes/@ltpda_uoh/ltpda_uoh.m | 4 ===
1 file changed, 4 insertions(+)
```

---

```
[2015-12-04 13:11:13 +0100] [d398ccad8] Martin Hewitson
Updated examples for the object named constants.
```

```
m-toolbox/examples/test_mfh_custom_2.m | 72 =====
1 file changed, 68 insertions(+), 4 deletions(-)
```

---

```
[2015-12-04 13:10:58 +0100] [7b5499a7c] Martin Hewitson
A full reworking of this to allow us to name via LTPDANamedItem subclasses.
```

```
m-toolbox/classes/@mfh/setConstObjects.m | 139 =====
1 file changed, 122 insertions(+), 17 deletions(-)
```

---

```
[2015-12-04 13:10:36 +0100] [c9de48552] Martin Hewitson
Constants are expected to be LTPDANameItem objects.
```

```
m-toolbox/classes/@mfh/mfh.m | 66 =====
1 file changed, 65 insertions(+), 1 deletion(-)
```

---

```
[2015-12-04 13:09:58 +0100] [a1938175d] Martin Hewitson
Allow for the case that the constants are objects of the class LTPDANamedItem.
```

```
m-toolbox/classes/@mfh/disp.m | 2 ++
m-toolbox/classes/@mfh/eval.m | 2 ++
2 files changed, 2 insertions(+), 2 deletions(-)
```

---

```
[2015-12-04 13:09:27 +0100] [9cbd7f0ea] Martin Hewitson
Named items need to override this for the history to work. Here we can just use string, but in more complex
subclasses, something else is needed.
```

```
m-toolbox/classes/@LTPDANamedItem/obj2cmds.m | 15 =====
1 file changed, 15 insertions(+)
```

---

```
[2015-12-04 09:26:39 +0100] [02f772377] Martin Hewitson
Install the moved LTPDANamedItem class.
```

```
m-toolbox/makeToolbox.m | 1 +
1 file changed, 1 insertion(+)
```

---

```
[2015-12-04 09:26:13 +0100] [544ce722d] Martin Hewitson
Imported from LPF_DA_Module and now inherit from ltpda_uo, which means we need a string method, a proper copy
method, and a disp method.
```

```
m-toolbox/classes/@LTPDANamedItem/LTPDANamedItem.m | 140 =====
m-toolbox/classes/@LTPDANamedItem/attachToDom.m | 22 ===
m-toolbox/classes/@LTPDANamedItem/copy.m | 49 =====
m-toolbox/classes/@LTPDANamedItem/disp.m | 89 =====
m-toolbox/classes/@LTPDANamedItem/fromDom.m | 28 ====
.../classes/@LTPDANamedItem/listContentsOfGroup.m | 18 ===
m-toolbox/classes/@LTPDANamedItem/listGroups.m | 23 ===
m-toolbox/classes/@LTPDANamedItem/string.m | 86 =====
m-toolbox/classes/@LTPDANamedItem/toHTML.m | 88 =====
m-toolbox/classes/@LTPDANamedItem/unique.m | 19 ===
10 files changed, 562 insertions(+)
```

---

```
[2015-12-03 13:34:59 +0100] [10757c609] Nikos Karnesis
A first version of the mfh/flscov function as discussed in the meeting. Needs testing and if proved useful a
modification of the corresponding pipeline step
```

```
m-toolbox/classes/@mfh/flscov.m | 384 ++++++-----+
1 file changed, 384 insertions(+)

[2015-12-02 15:15:58 +0100][15032a78f] Nikos Karnesis
Merge branch 'MRH/mfh_enhance3' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into MRH/mfh_enhance3

[2015-12-02 15:15:55 +0100][3dc372a57] Nikos Karnesis
Handling the output model. Setting the estimated parameters as constants

m-toolbox/classes/@ao/flscov.m | 9 ++++++-
1 file changed, 7 insertions(+), 2 deletions(-)

[2015-12-02 09:54:48 +0100][99124545c] Martin Hewitson
Merge branch 'development' into MRH/mfh_enhance3

[2015-12-01 12:15:23 +0100][d1abe0bc1] Nikos Karnesis
Fixing the model construction sub-function: The problem was that A0 names contained parenthesis and other symbols, causing the eval() to fail. Probably there is a more pretty way to do this, but now the output model can be evaluated.

m-toolbox/classes/@ao/flscov.m | 26 ++++++-----+
1 file changed, 17 insertions(+), 9 deletions(-)

[2015-11-30 17:00:03 +0100][3b6faabf7] danielvetrugno
minor change to flscov to get out mfh model from it and setting the model in the pest object

m-toolbox/classes/@ao/flscov.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-11-30 15:51:26 +0100][74ae161fd] danielvetrugno
first tentative change to flscov to get out an mfh model of it

m-toolbox/classes/@ao/flscov.m | 35 ++++++-----+
1 file changed, 34 insertions(+), 1 deletion(-)

[2015-11-29 17:33:24 +0100][8a1bf7d13] Martin Hewitson
We should not retrieve the same object multiple times. This happens especially if the plist contains both the UUID and the ID of an object, as history plists often do.

m-toolbox/classes/@ltpda_uo/fromRepository.m | 3 +++
1 file changed, 3 insertions(+)

[2015-11-29 17:32:36 +0100][b61354fb5] Martin Hewitson
I don't think it's correct to have the pest in the history because it's already in the plist. TO BE CHECKED.

m-toolbox/classes/@ao/fromPest.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-11-29 15:44:19 +0100][b5bf7d162] Martin Hewitson
Typo fixed and set errors empty before setting x and y to avoid warnings about data shapes.

m-toolbox/classes/@ao/timeaverage.m | 3 +-
1 file changed, 2 insertions(+), 1 deletion(-)

[2015-11-28 18:48:25 +0100][ccdb05092] Martin Hewitson
Major bug fix: no history of the input objects was stored. Also removed a lot of dead code.

m-toolbox/classes/@ao/flscov.m | 99 +-----+
1 file changed, 1 insertion(+), 98 deletions(-)

[2015-11-27 16:42:18 +0100][442cc0f5e] Martin Hewitson
Pass the read-in unit back through the constructor so that the parser can do its work. This is needed in case the object was created from an XML file originating from somewhere other than LTPDA (like in the STOC converter) and the units have simply been stored as a string, rather than a properly decomposed unit.

m-toolbox/classes/@unit/loadobj.m | 3 +++
1 file changed, 3 insertions(+)

[2015-11-27 15:38:23 +0100][0d3a14aa9] Ingo Diepholz
Overload processSetterValues() for A0s because the following command should be possible: a = ao.randn(1e3,1); b = ao.randn(1e3,1); a.setDy(b)

m-toolbox/classes/@ao/ao.m | 1 +
m-toolbox/classes/@ao/processSetterValues.m | 34 ++++++-----+
2 files changed, 35 insertions(+)

[2015-11-27 10:21:30 +0100][2a1e554dd] Nikos Karnesis
```

```
Merge branch 'development' into MRH/mfh_enhance3
```

```
[2015-11-26 21:22:52 +0100] [247aa895c] Martin Hewitson
Some improvements to make sure units and errors are set.
```

```
m-toolbox/classes/@ao/scatter3D.m | 19 ++++++-----+
1 file changed, 19 insertions(+)
```

```
[2015-11-26 20:23:01 +0100] [6ded264d9] Martin Hewitson
Significant restructuring to do a proper job of building this and setting all properties from the supplied input values, especially if the input values are passed as A0s.
```

```
m-toolbox/classes/@ao/fromXYZVals.m | 68 ++++++-----+
1 file changed, 57 insertions(+), 11 deletions(-)
```

```
[2015-11-26 19:20:21 +0100] [c2cc1a945] Martin Hewitson
Pass the read-in unit back through the constructor so that the parser can do its work. This is needed in case the XML file originated from somewhere other than LTPDA (like in the STOC converter) and the units have simply been stored as a string, rather than a properly decomposed unit.
```

```
m-toolbox/classes/@unit/fromDom.m | 4 +++
1 file changed, 4 insertions(+)
```

```
[2015-11-26 09:20:49 +0100] [5dcef5e7e] Martin Hewitson
Add an option to allow the user to indicate from which field of the input objects to take the z values.
```

```
m-toolbox/classes/@ao/ao.m | 4 +++
m-toolbox/classes/@ao/fromXYZVals.m | 10 ++++++-
2 files changed, 13 insertions(+), 1 deletion(-)
```

```
[2015-11-25 18:21:37 +0100] [0eb58f2c2] Martin Hewitson
Allow the user to specify the y-values via the plist.
```

```
m-toolbox/classes/@ao/scatter3D.m | 32 ++++++-----+
1 file changed, 27 insertions(+), 5 deletions(-)
```

```
[2015-11-25 18:03:29 +0100] [7d1384e2d] Martin Hewitson
Bug fix: typo in the variable name.
```

```
m-toolbox/classes/@ao/fromXYZVals.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
[2015-11-24 10:23:30 +0100] [0a7dfa0bc] Nikos Karnesis
Merge branch 'development' into MRH/mfh_enhance3
```

```
[2015-11-23 16:03:20 +0100] [1ad3d4c2d] Ingo Diepholz
Pinning the text-object to the data axes. This might not work in future releases because it is a non documented feature.
```

```
m-toolbox/classes/+utils/@plottools/horizontalLine.m | 7 +++++-
m-toolbox/classes/+utils/@plottools/verticalLine.m | 7 +++++-
2 files changed, 12 insertions(+), 2 deletions(-)
```

```
[2015-11-23 15:59:29 +0100] [571d85de7] Ingo Diepholz
Make the axes window for the annotation much smaller. Before it was the maximum size [0 0 1 1] but that cause an issue with pinning text objects (used in utils.plottools.verticalLine) to the data-axes. The pinning mechanism found only the annotation-axes and pinned the text-object to that axes.
```

```
m-toolbox/classes/+utils/@plottools/addPlotProvenance.m | 16 +-----
1 file changed, 3 insertions(+), 13 deletions(-)
```

```
[2015-11-22 17:41:35 +0100] [5341aa67f] Martin Hewitson
Added alternative plot functions for the xyzdata plots. See MANTIS issue 933.
```

```
m-toolbox/classes/@ao/iplot.m | 13 ++++++-
1 file changed, 12 insertions(+), 1 deletion(-)
```

```
[2015-11-21 10:01:48 +0100] [7f2c77568] Martin Hewitson
This was not complete and so any test to rebuild from struct an object with a plotinfo filled must have failed. Now they don't.
```

```
m-toolbox/classes/@plotinfo/fromStruct.m | 11 ++++++-
1 file changed, 11 insertions(+)
```

```
[2015-11-21 07:00:18 +0100] [4bd7d70c1] Martin Hewitson
Remove empty indexing braces to remove warnings in later MATLAB versions. Someone should check this is ok on older MATLAB versions.
```

```
.../@LTPDADatabaseConnectionManager/LTPDADatabaseConnectionManager.m | 5 +----
```

1 file changed, 2 insertions(+), 3 deletions(-)

[2015-11-21 06:51:21 +0100] [e5d29977a] Martin Hewitson  
Increase functionality and support for searching using objects, for example, LPFParam.

m-toolbox/classes/@pest/find.m | 12 ++++++-----  
1 file changed, 9 insertions(+), 3 deletions(-)

[2015-11-21 05:49:47 +0100] [74f34e91f] Martin Hewitson  
If the search is done with an object then this implies and exact search so we set it so. And I don't like how much  
duplicate code is in these two methods. Maybe a little thought can refactor some code out?

m-toolbox/classes/@ltpda\_container/search.m | 7 +-----  
m-toolbox/classes/@ltpda\_uo/search.m | 30 ++++++-----  
2 files changed, 23 insertions(+), 14 deletions(-)

[2015-11-20 17:39:27 +0100] [3df890f57] Martin Hewitson  
If the user passes an empty password, then prompt for a password. I realise this stops us using connections which  
have no password assigned (which is valid in mysql) but I think this is more useful than allowing for that edge  
case. To be discussed.

.../LTPDADatabaseConnectionManager.m | 6 +----  
1 file changed, 5 insertions(+), 1 deletion(-)

[2015-11-20 15:36:23 +0100] [4128c3a60] Nikos Karnesis  
Bug fix: Making the method work when the input delay value is an ao

m-toolbox/classes/@ao/delay.m | 4 +-  
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-11-20 15:17:22 +0100] [c3a5534a7] Ingo Diepholz  
Add a function which plots a horizontal line to an axes handle.

.../classes/+utils/@plottools/horizontalLine.m | 75 ++++++-----  
m-toolbox/classes/+utils/@plottools/plottools.m | 1 +  
2 files changed, 76 insertions(+)

[2015-11-20 15:16:46 +0100] [2668bbbaf] Ingo Diepholz  
Make the font a bit thicker

m-toolbox/classes/+utils/@plottools/verticalLine.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-11-20 05:52:28 +0100] [4349210bb] Martin Hewitson  
Try to do a better job of handling any object. If we can, use the string method, otherwise, call char, otherwise,  
fail.

m-toolbox/classes/+utils/@prog/mcell2str.m | 7 +++++-  
1 file changed, 6 insertions(+), 1 deletion(-)

[2015-11-19 18:34:33 +0100] [259c12bf3] Ingo Diepholz  
Add the method initObjectWithSize() even for the 'abstract' classes. This makes the generic\_getInfo() function  
more accurate.

m-toolbox/classes/@ltpda\_uoh/ltpda\_uoh.m | 3 +++  
1 file changed, 3 insertions(+)

[2015-11-19 18:27:37 +0100] [0fdbbed119] Ingo Diepholz  
Add the method initObjectWithSize() even for the 'abstract' classes. This makes the generic\_getInfo() function  
more accurate.

m-toolbox/classes/@ltpda\_algorithm/ltpda\_algorithm.m | 4 +++  
m-toolbox/classes/@ltpda\_container/ltpda\_container.m | 3 +++  
m-toolbox/classes/@ltpda\_filter/ltpda\_filter.m | 3 +++  
m-toolbox/classes/@ltpda\_tf/ltpda\_tf.m | 3 +++  
4 files changed, 13 insertions(+)

[2015-11-19 18:04:26 +0100] [2d5f9ffa8] Ingo Diepholz  
Bug fix: It is necessary to touch the 'timespan' object so that it is filled even if we don't copy the object.  
Here an example: aa = ao.randn(1e3,1.1); aa.psd; aa.timespan

m-toolbox/classes/@ao/copy.m | 1 +  
1 file changed, 1 insertion(+)

[2015-11-19 17:53:37 +0100] [be79337cd] Ingo Diepholz  
Bug fix: The conversion factor didn't consider the exponent of the unit. And we have changes the math of the  
conversion factor from:  $a^b * a^{-b} * d^d \rightarrow b \log(a) - b \log(a) + c \log(d)$ . And the result  $10^{\dots}$

m-toolbox/classes/@unit/toSI.m | 6 +----  
1 file changed, 3 insertions(+), 3 deletions(-)

```

[2015-11-19 17:53:23 +0100] [f86bdb02d] Victor Martin
Updates for autoReport to generate unique html file, and unique TOC for multireports

.../classes/+utils/@autoReporter/autoReporter.m | 167 ++++++-----+
m-toolbox/classes/+utils/@html	beginBody.m | 9 +-+
m-toolbox/classes/+utils/@html/color.m | 4 +-+
m-toolbox/classes/+utils/@html/comment.m | 0
m-toolbox/classes/+utils/@html/endBody.m | 8 +-+
m-toolbox/classes/+utils/@html/html.m | 4 +-+
6 files changed, 171 insertions(+), 21 deletions(-)

[2015-11-19 17:35:00 +0100] [a75cac2eb] Nikos Karnesis
Modifying these files to keep the shape of the input data

m-toolbox/classes/@MCMC/setInputs.m | 77 ++++++-----+
m-toolbox/classes/@MCMC/setModel.m | 41 ++++++-----+
m-toolbox/classes/@MCMC/setNoise.m | 34 ++++++-----+
3 files changed, 132 insertions(+), 20 deletions(-)

[2015-11-19 15:53:44 +0100] [225e0a1e6] Lluis Gesa
Addedd text coloring in autoreport

m-toolbox/classes/+utils/@html/color.m | 11 ++++++-
1 file changed, 11 insertions(+)

[2015-11-19 14:08:04 +0100] [f499eb23e] Martin Hewitson
Code hardening: check the dy and yunits before indexing them.

m-toolbox/classes/@pest/subset.m | 4 +++
1 file changed, 4 insertions(+)

[2015-11-19 14:02:42 +0100] [74b4df476] Ingo Diepholz
Update test

.../tests/database/@ltpda_objmeta_table/test_objmeta_keywords.m | 4 +--+
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-11-19 13:06:07 +0100] [22768af82] Ingo Diepholz
Bug fix: It is possible that a tsdata has no x-values. Compute in this time the timespan only with t0 and fs.

m-toolbox/classes/@tsdata/tsdata.m | 6 +---+
1 file changed, 4 insertions(+), 2 deletions(--)

[2015-11-19 12:49:18 +0100] [83922b720] Ingo Diepholz
Bug fix: The calculation for creating a collection ID was wrong.

m-toolbox/classes/@ltpda_uo/submit.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-11-19 10:56:59 +0100] [ca694ccdf] Nikos Karnesis
Cosmetics, fixed logic on the checking step

m-toolbox/classes/@MCMC/mhsample.m | 4 +---+
m-toolbox/classes/@MCMC/mhutils.m | 27 ++++++-----+
2 files changed, 19 insertions(+), 12 deletions(-)

[2015-11-19 10:16:06 +0100] [22716b40c] Nikos Karnesis
Bug fix: sometimes we indexed a vector with zero and this caused an error

m-toolbox/classes/@MCMC/mhsample.m | 2 +-
m-toolbox/classes/@MCMC/processChain.m | 2 +-
2 files changed, 2 insertions(+), 2 deletions(-)

[2015-11-19 09:40:08 +0100] [d84d4a10d] Martin Hewitson
Allow the x, y and z-vals to be specified by objects so that we don't break history. Remember: using .y is a
sackable offence!

m-toolbox/classes/@ao/fromXYZVals.m | 12 ++++++-
1 file changed, 12 insertions(+)

[2015-11-19 09:39:44 +0100] [02f914fff] Martin Hewitson
Remove unused variable.

m-toolbox/classes/@ao/fromXYZVals.m | 3 +--+
1 file changed, 1 insertion(+), 2 deletions(-)

[2015-11-19 09:23:16 +0100] [c8535c13d] Martin Hewitson

```

Allow the x-vals and y-vals to be specified by objects so that we don't break history. Remember: using .y is a sackable offence!

```
m-toolbox/classes/@ao/fromXYVals.m | 8 ++++++++
1 file changed, 8 insertions(+)
```

```
[2015-11-19 09:22:42 +0100] [ae24199c1] Martin Hewitson
Remove unused variable.
```

```
m-toolbox/classes/@ao/fromXYVals.m | 3 +--
1 file changed, 1 insertion(+), 2 deletions(-)
```

```
[2015-11-19 08:53:48 +0100] [6d0670ea1] Martin Hewitson
For some reason this two level indexing through our subsref overload is failing on 2015b.
```

```
m-toolbox/m/built_in_models/mfh/mfh_model_fft_signals.m | 5 +---+
1 file changed, 3 insertions(+), 2 deletions(-)
```

```
[2015-11-19 08:53:37 +0100] [6c9153b67] Martin Hewitson
For some reason this two level indexing through our subsref overload is failing on 2015b.
```

```
m-toolbox/classes/@MCMC/handle_data_for_icsm.m | 3 +-
1 file changed, 2 insertions(+), 1 deletion(-)
```

```
[2015-11-19 08:53:12 +0100] [84e64c262] Martin Hewitson
I have the feeling this is the third time I've fixed this. On MATLAB 2015b and above we get warnings for indexing
a cell-array with an empty index.
```

```
m-toolbox/classes/@pest/table.m | 4 +--+
1 file changed, 2 insertions(+), 2 deletions(-)
```

```
[2015-11-18 18:25:24 +0100] [b36b396f3] Nikos Karnesis
Merge branches and solve most of the serious conflicts
```

```
[2015-11-18 18:01:34 +0100] [419dc8863] Ingo Diepholz
Move register the listener to ao.initObjectWithSize() because some method might use that methods for creating
empty AOs.
```

```
m-toolbox/classes/@ao/ao.m | 8 ++++++-
m-toolbox/classes/@ao/copy.m | 4 +--
2 files changed, 7 insertions(+), 5 deletions(-)
```

```
[2015-11-18 17:58:07 +0100] [b8fc9a1ff] Ingo Diepholz
Bug fix: Have we only forgotten to register the listener again? Let's try (reverted from commit
721e7f6366e66e0043c12085a65227643c5ddbfc)
```

```
m-toolbox/classes/@ao/copy.m | 14 +++++-----
1 file changed, 4 insertions(+), 10 deletions(-)
```

```
[2015-11-18 17:44:25 +0100] [721e7f636] Ingo Diepholz
Bug fix: Have we only forgotten to register the listener again? Let's try
```

```
m-toolbox/classes/@ao/copy.m | 14 ++++++-----
1 file changed, 10 insertions(+), 4 deletions(-)
```

```
[2015-11-18 14:55:29 +0100] [f4b2c74d1] Lennart Wissel
refactor code
```

```
m-toolbox/classes/@MCMC/mhutils.m | 10 +-----
1 file changed, 3 insertions(+), 7 deletions(-)
```

```
[2015-11-18 14:54:08 +0100] [9e1264f59] Lennart Wissel
refactor and add plist items, adaptive_factor to jump(..) call
```

```
m-toolbox/classes/@MCMC/mhsample.m | 34 ++++++-----
1 file changed, 18 insertions(+), 16 deletions(-)
```

```
[2015-11-18 14:53:24 +0100] [6a49c534e] Lennart Wissel
refactor and add adaptive_factor to the adaptiveSample(..) call
```

```
m-toolbox/classes/@MCMC/jump.m | 50 ++++++-----
1 file changed, 21 insertions(+), 29 deletions(-)
```

```
[2015-11-18 14:52:34 +0100] [ce235f71e] Lennart Wissel
add beta factor to plist so the user can control it, also some refactoring
```

```
m-toolbox/classes/@MCMC/drawAdaptiveSample.m | 17 ++++++-----
1 file changed, 8 insertions(+), 9 deletions(-)
```

```

-----[2015-11-18 13:46:47 +0100][1f0418262] Lennart Wissel
register new drawAdaptiveSample function in class

m-toolbox/classes/@MCMC/MCMC.m | 1 +
1 file changed, 1 insertion(+)

-----[2015-11-18 13:25:20 +0100][92b41206d] Nikos Karnesis
Merge branch 'development' into MRH/mfh_enhance3

-----[2015-11-18 11:51:54 +0100][a1e6a4b4d] Martin Hewitson
Merge branch 'development' into MRH/ltpda_uoh_timespan

-----[2015-11-18 10:25:59 +0100][df606b110] Lennart Wissel
add placeholder for FIM update

m-toolbox/classes/@MCMC/mhsample.m | 3 +++
1 file changed, 3 insertions(+)

-----[2015-11-18 10:13:15 +0100][c92235f55] Lluis Gesa
Addedd text coloring in autoreport

m-toolbox/classes/+utils/@autoReporter/autoReporter.m | 8 ++++++++
m-toolbox/classes/+utils/@html/html.m | 1 +
2 files changed, 9 insertions(+)

-----[2015-11-18 05:39:21 +0100][c8fdccbb1] Martin Hewitson
Optimisation: we should cache the constants plist otherwise this gets very slow. This answers to MANTIS 0000929:
ao.plus spends oddly long on toSI().

m-toolbox/classes/@unit/toSI.m | 4 +++
1 file changed, 4 insertions(+)

-----[2015-11-17 17:38:00 +0100][1ccb8595d] Lennart Wissel
append new parameter adaptive to default plist

m-toolbox/classes/@MCMC/mhsample.m | 1 +
1 file changed, 1 insertion(+)

-----[2015-11-17 17:21:35 +0100][f73b2c074] Lennart Wissel
name it ADAPTIVE PROPOSAL in the buildplist function

m-toolbox/classes/@MCMC/mhsample.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----[2015-11-17 17:17:55 +0100][c9bc81efb] Martin Hewitson
Bug fix: the definition of the window in the plist was wrong.

m-toolbox/classes/@ao/dtfe.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----[2015-11-16 16:17:24 +0100][9398017ff] Ingo Diepholz
Bug fix: verLessThan needs a version number. The version R2015b doesn't work. Use '8.6' instead.

m-toolbox/m/helper/mc.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----[2015-11-17 17:10:44 +0100][e824a26cc] Lennart Wissel
handler on drawAdaptiveSample does not work, because it needs more imput parameters, also add adaptive flag to
return values

m-toolbox/classes/@MCMC/mhutils.m | 7 +++++-
1 file changed, 4 insertions(+), 3 deletions(-)

-----[2015-11-17 17:09:25 +0100][cccd55f0df] Lennart Wissel
add parameter adaptive, use drawAdaptiveSampler if adaptive is true

m-toolbox/classes/@MCMC/jump.m | 7 +++++-
1 file changed, 6 insertions(+), 1 deletion(-)

-----[2015-11-17 17:04:04 +0100][92c588992] Lennart Wissel
add adaptive flag to jump and mhutils calls

m-toolbox/classes/@MCMC/mhsample.m | 5 +---+
1 file changed, 3 insertions(+), 2 deletions(-)

-----[2015-11-17 16:21:33 +0100][b51b91902] Lennart Wissel
fix typos in function definition

```

```
m-toolbox/classes/@MCMC/drawAdaptiveSample.m | 4 +--
1 file changed, 2 insertions(+), 2 deletions(--)

[2015-11-17 16:07:47 +0100][1a2fe7e61] Lennart Wissel
add default adaptive=false if not given in plist to avoid empty array

m-toolbox/classes/@MCMC/mhutils.m | 5 +++++
1 file changed, 5 insertions(+)

[2015-11-17 15:51:38 +0100][3eb476a9b] Ingo Diepholz
Bug fix: It is necessary that each object gets its own sinfo structure. Otherwise would the method
prepareSinfoForSubmit() concatenates the informations for all objects.

m-toolbox/classes/@ltpda_uo/submit.m | 43 ++++++-----+
1 file changed, 21 insertions(+), 22 deletions(-)

[2015-11-17 15:45:56 +0100][a4a0d14d0] Lennart Wissel
initial adaptive proposal function based on rosenthal 'examples of adaptive mcmc'

m-toolbox/classes/@MCMC/drawAdaptiveSample.m | 28 ++++++-----+
1 file changed, 28 insertions(+)

[2015-11-17 11:35:34 +0100][69a1525cb] Lennart Wissel
add adaptive plist flag, add sanity checks for Tc, include drawAdaptiveSample handler

m-toolbox/classes/@MCMC/mhutils.m | 11 ++++++-
1 file changed, 11 insertions(+)

[2015-11-17 11:26:45 +0100][9f096533b] Lennart Wissel
add default plist descriptions for adaptive mcmc

m-toolbox/classes/@MCMC/mhsample.m | 7 +++++-
1 file changed, 6 insertions(+), 1 deletion(-)

[2015-11-17 11:01:41 +0100][a7cf5d5d2] Nikos Karnesis
Cosmetics and sensible error messages for the current status

.../classes/@mfh/loglikelihood_core_whittle.m | 98 ++++++-----+
.../built_in_models/mfh/mfh_model_loglikelihood.m | 4 +
2 files changed, 82 insertions(+), 20 deletions(-)

[2015-11-16 18:25:05 +0100][3f6aff19e] Ingo Diepholz
Use the new method prepareSinfoForSubmit() which modifies the submission structure for each object individually

m-toolbox/classes/@ltpda_uo/submit.m | 48 ++++++-----+
1 file changed, 25 insertions(+), 23 deletions(-)

[2015-11-16 18:12:04 +0100][d6fb35269] Ingo Diepholz
Define a new method prepareSinfoForSubmit() which modifies the submission structure for each class individual. For
the moment it is used in ltpda_uoh and eo.

m-toolbox/classes/@ltpda_uo/ltpda_uo.m | 11 ++++++-
.../classes/@ltpda_uo/prepareSinfoForSubmit.m | 11 ++++++-
m-toolbox/classes/@ltpda_uoh/ltpda_uoh.m | 1 +
.../classes/@ltpda_uoh/prepareSinfoForSubmit.m | 29 ++++++-----+
4 files changed, 50 insertions(+), 2 deletions(-)

[2015-11-16 18:10:10 +0100][c6c45fa17] Ingo Diepholz
Use inherited method "createErrorStr" for displaying wrong usage of a constructor.

m-toolbox/classes/@timespan/timespan.m | 10 ++++++-
1 file changed, 5 insertions(+), 5 deletions(-)

[2015-11-16 17:12:08 +0100][8bfdfcdbc0] Nikos Karnesis
Merge branch 'MRH/mfh_enhance3' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into MRH/mfh_enhance3

[2015-11-16 16:55:23 +0100][045d27090] Martin Hewitson
Switch off backtraces for these informational warnings.

m-toolbox/classes/@mfh/element0p.m | 2 ++
1 file changed, 2 insertions(+)

[2015-11-16 16:25:26 +0100][80b4e0314] Martin Hewitson
Move setParamsToConst to its own function file and make it a proper method with vectored input and history etc.

m-toolbox/classes/@mfh/mfh.m | 69 -----
m-toolbox/classes/@mfh/setParamsToConst.m | 173 ++++++-----+
2 files changed, 173 insertions(+), 69 deletions(-)
```

```

[2015-11-16 16:17:24 +0100][44a2144da] Ingo Diepholz
Bug fix: verLessThan needs a version number. The version R2015b doesn't work. Use '8.6' instead.

m-toolbox/m/helper/mc.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-11-16 16:06:19 +0100][0446c86f4] Martin Hewitson
Do some checks for duplicates and avoid downloading the same object more than once. This can happen if the UUID
and ID of the same object are specified, and this can be the case in the history.

m-toolbox/classes/@ltpda_uo/fromRepository.m | 7 ++++++
1 file changed, 7 insertions(+)

[2015-11-16 15:58:29 +0100][59263e4d5] Nikos Karnesis
Added another version of the likelihood function, namely the Whittle approximation to the likelihood. Still under
testing

m-toolbox/classes/+utils/@math/math.m | 1 +
.../classes/@mfh/loglikelihood_core_whittle.m | 114 ++++++
.../m/built_in_models/mfh/mfh_model_fft_signals.m | 2 ++
.../built_in_models/mfh/mfh_model_loglikelihood.m | 88 ++++++
4 files changed, 198 insertions(+), 7 deletions(-)

[2015-11-16 15:57:28 +0100][877bae3b5] Nikos Karnesis
Introduced the cpsd part as well.

m-toolbox/classes/+utils/@math/cpsd.m | 142 ++++++
m-toolbox/classes/+utils/@math/psd.m | 9 ++
2 files changed, 148 insertions(+), 3 deletions(-)

[2015-11-16 15:56:51 +0100][769a10d61] Nikos Karnesis
Merge branch 'MRH/mfh_enhance3' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into MRH/mfh_enhance3

[2015-11-16 15:28:46 +0100][c9e815c16] Martin Hewitson
I think this 'workaround' code is not needed anymore after the 'fix' in mfh/eval

m-toolbox/classes/@mfh/fminsearch.m | 14 -----
1 file changed, 14 deletions(-)

[2015-11-16 15:26:45 +0100][5a3bb4393] Martin Hewitson
Add a useful error message if the parameter definition pest has no name.

m-toolbox/classes/@mfh/mfh.m | 3 ++
1 file changed, 3 insertions(+)

[2015-11-16 15:05:57 +0100][b622afe0a] Martin Hewitson
If the input values are numeric, and the model is not a numeric model, then we have to create a pest, and we do
this by using the parameter definition and assume the correct input ordering.

m-toolbox/classes/@mfh/eval.m | 15 ++++++
1 file changed, 15 insertions(+)

[2015-11-16 14:16:53 +0100][6f4e109d3] Martin Hewitson
Merge branch 'development' into MRH/mfh_enhance3

[2015-11-15 14:07:27 +0100][ad2b964b7] Nikos Karnesis
Made a utils.math function with the internal psd function to be used elsewhere if needed

m-toolbox/classes/+utils/@math/math.m | 21 +--
m-toolbox/classes/+utils/@math/psd.m | 128 ++++++
m-toolbox/classes/@mfh/loglikelihood_core_log.m | 127 +-----
3 files changed, 140 insertions(+), 136 deletions(-)

[2015-11-13 16:10:59 +0100][ad3d97a31] Mauro Hueller
Supporting new unit: sccm (Standard Cubic Centimeters per Minute, a flow measurement term indicating cc/min at a
standard temperature and pressure).

m-toolbox/classes/@unit/toSI.m | 4 +--
m-toolbox/classes/@unit/unit.m | 1 +
2 files changed, 4 insertions(+), 1 deletion(-)

[2015-11-13 14:49:27 +0100][8282a052f] Ingo Diepholz
Throw an error if the user tries to set the 'timespan' property of a timespan-object.

m-toolbox/classes/@timespan/setTimespan.m | 54 ++++++
1 file changed, 54 insertions(+)

```

```
[2015-11-13 14:48:07 +0100][af3bab92a] Ingo Diepholz
Remove 'timespan' from the global keys because we don't want to allow that a user can set the 'timespan' property
of a timespan object.
```

```
m-toolbox/classes/@timespan/timespan.m | 4 +++
1 file changed, 4 insertions(+)
```

---

```
[2015-11-13 14:31:05 +0100][ffe77d314] Ingo Diepholz
Return the string 'Not defined' for the case that the time object is empty (size = 0x1)
```

```
m-toolbox/classes/@time/format.m | 4 +++
1 file changed, 4 insertions(+)
```

---

```
[2015-11-13 12:50:28 +0100][7315f7a6c] Nikos Karnesis
Merge branch 'development' into MRH/mfh_enhance3
```

---

```
[2015-11-12 14:53:22 -0500][e0561361a] Ira Thorpe
computes interval between successive transitions as well
```

```
m-toolbox/classes/+utils/@helper/extractTransitionTimes.m | 10 ++++++
1 file changed, 10 insertions(+)
```

---

```
[2015-11-11 14:36:26 +0100][dcb057a04] Ingo Diepholz
Bug fix: For the getPropEvt() method is it necessary to check if the data object exist.
```

```
m-toolbox/classes/@ao/ao.m | 4 +--
1 file changed, 2 insertions(+), 2 deletions(-)
```

---

```
[2015-11-11 14:35:12 +0100][4e28ae052] Ingo Diepholz
Change order of the code
```

```
m-toolbox/classes/@ltpda_uoh/copy.m | 6 +---+
1 file changed, 3 insertions(+), 3 deletions(-)
```

---

```
[2015-11-11 14:33:39 +0100][b7b31ba38] Ingo Diepholz
Add 'timespan' to the global PLIST keys
```

```
m-toolbox/classes/@ltpda_uoh/ltpda_uoh.m | 4 +++
1 file changed, 4 insertions(+)
```

---

```
[2015-11-11 11:53:57 +0100][d4ed1184e] Ingo Diepholz
Bug fix: Update to the fact that the history are stored in a historyArray.
```

```
m-toolbox/classes/@ltpda_uoh/fromStruct.m | 16 ++++++
1 file changed, 15 insertions(+), 1 deletion(-)
```

---

```
[2015-11-11 11:53:57 +0100][de196e7a9] Ingo Diepholz
Bug fix: Update to the fact that the history are stored in a historyArray.
```

```
m-toolbox/classes/@ltpda_uoh/fromStruct.m | 16 ++++++
1 file changed, 15 insertions(+), 1 deletion(-)
```

---

```
[2015-11-10 11:33:35 -0500][31e9f2e71] jslutsky
modify fminsearch to actually use opts input, rather than overwriting it with a default every time
```

```
m-toolbox/classes/@mfh/fminsearch.m | 5 +--
1 file changed, 2 insertions(+), 3 deletions(-)
```

---

```
[2015-11-10 16:05:10 +0100][7ad10b037] Ingo Diepholz
1. Store the values of the MATLAB functions 'nargin' and 'nargout' in variables and use these variables where we
call the MATLAB functions. 2. In the second short cut for simple calls was a small bug. There is it also necessary
to check that the key is a string.
```

```
m-toolbox/classes/@plist/append.m | 10 ++++++
1 file changed, 6 insertions(+), 4 deletions(-)
```

---

```
[2015-11-10 16:05:10 +0100][1cfb91c4b] Ingo Diepholz
1. Store the values of the MATLAB functions 'nargin' and 'nargout' in variables and use these variables where we
call the MATLAB functions. 2. In the second short cut for simple calls was a small bug. There is it also necessary
to check that the key is a string.
```

```
m-toolbox/classes/@plist/append.m | 10 ++++++
1 file changed, 6 insertions(+), 4 deletions(-)
```

---

```
[2015-11-10 09:39:37 -0500][be3833c8e] jslutsky
modify fminsearch to try and not auto-fail in ao mode
```

```
m-toolbox/classes/@mfh/fminsearch.m | 33 ++++++
1 file changed, 24 insertions(+), 9 deletions(-)
```

```

[2015-11-10 11:42:14 +0100] [54735e7d9] Nikos Karnesis
Some fixes to the setParamsToConst function: a) Do not check for paramsDef if the field is empty b) Compare with
the parameter names not the name of the pest

m-toolbox/classes/@mfh/mfh.m | 6 +-----
1 file changed, 4 insertions(+), 2 deletions(-)

[2015-11-09 20:32:17 +0100] [8ff90f2af] Ingo Diepholz
Convert different input argument types (string, numeric, time-object) into a timespan.

m-toolbox/classes/@ltpda_uoh/setTimespan.m | 9 ++++++-
1 file changed, 9 insertions(+)

[2015-11-09 20:31:20 +0100] [6f8461490] Ingo Diepholz
Move the check for different data types of the 'timespan' property into the setter.

m-toolbox/classes/@ltpda_uoh/ltpda_uoh.m | 17 +-----+
1 file changed, 1 insertion(+), 16 deletions(-)

[2015-11-09 20:30:26 +0100] [1aec3b86c] Ingo Diepholz
This is just a commit not to forget the query:

m-toolbox/classes/@ltpda_uo/submit.m | 3 +-
1 file changed, 1 insertion(+), 2 deletions(-)

[2015-11-09 20:29:12 +0100] [4b7e26a27] Ingo Diepholz
Change comment

m-toolbox/classes/@ao/ao.m | 6 +-----
1 file changed, 4 insertions(+), 2 deletions(-)

[2015-11-09 15:11:02 +0100] [42888da32] Nikos Karnesis
The transform property does not exist any more

m-toolbox/classes/@mfh/elementOp.m | 6 -----
1 file changed, 6 deletions(-)

[2015-11-09 15:10:45 +0100] [50add9708] Nikos Karnesis
Small fix: the elementOp was missing from the class

m-toolbox/classes/@mfh/mfh.m | 2 ++
1 file changed, 2 insertions(+)

[2015-11-09 12:22:51 +0100] [d0f8561cd] Nikos Karnesis
Cosmetics

m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 4 +---+
1 file changed, 3 insertions(+), 1 deletion(-)

[2015-11-08 11:45:20 +0100] [a76380149] Martin Hewitson
Apparently that last change was still old syntax. Here's the new one.

m-toolbox/classes/+utils/@math/rand.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-11-08 10:08:02 +0100] [9928469bf] Martin Hewitson
Added help text. Speed up by avoiding the fullfile() method.

m-toolbox/classes/+utils/@helper/isdeprecated.m | 9 ++++++-
1 file changed, 8 insertions(+), 1 deletion(-)

[2015-11-08 10:00:13 +0100] [dd4682c2c] Martin Hewitson
A new utility that attempts to determine if a method is deprecated. We do this by looking for certain tags inside
the text of the method's file.

m-toolbox/classes/+utils/@helper/helper.m | 2 ++
m-toolbox/classes/+utils/@helper/isdeprecated.m | 24 ++++++-----+
2 files changed, 26 insertions(+)

[2015-11-08 08:46:42 +0100] [7d7c0c33f] Martin Hewitson
Update to modern syntax. I hope this is ok for all our supported MATLAB versions.

m-toolbox/classes/+utils/@math/rand.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-11-08 07:10:19 +0100] [da270358b] Martin Hewitson
Allow setting a name by any object which supports char().

```

```
m-toolbox/classes/@ltpda_uo/setName.m | 3 +++
1 file changed, 3 insertions(+)

-----
[2015-11-08 07:10:03 +0100][ed5ae397c] Martin Hewitson
Allow saving with a name specified by any object which supports char().

m-toolbox/classes/@ltpda_uo/save.m | 10 ++++++---
1 file changed, 9 insertions(+), 1 deletion(-)

-----
[2015-11-07 22:35:59 +0100][9b54d4ec9] Lluis Gesa
Added directory check and creation on autoReport.saveDocument to enable reports with no plots/images that only
show data in text format.

m-toolbox/classes/+utils/@autoReporter/autoReporter.m | 4 +++
1 file changed, 4 insertions(+)

-----
[2015-11-07 19:29:03 +0100][357818429] Ingo Diepholz
Bug fix: It might be possible that a NON LTPDA class is stored inside a LTPDA class.

m-toolbox/classes/+utils/@xml/getFromType.m | 7 ++++++
1 file changed, 7 insertions(+)

-----
[2015-11-07 06:44:40 +0100][b6d77d7f3] Martin Hewitson
Merge branch 'MRH/ltpda_uoh_timespan' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into MRH/
ltpda_uoh_timespan

-----
[2015-11-07 06:44:31 +0100][f1680a420] Martin Hewitson
Check the data is not empty before checking anything else.

m-toolbox/classes/@ao/x.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2015-11-06 17:41:24 +0100][37255ab07] Ingo Diepholz
Overload the method getTimespan()

m-toolbox/classes/@tsdata/tsdata.m | 5 +////
1 file changed, 5 insertions(+)

-----
[2015-11-06 17:41:06 +0100][7a63a24d7] Ingo Diepholz
Create a common function for getting the a timespan. This method will be overloaded by the tsdata class.

m-toolbox/classes/@ltpda_data/ltpda_data.m | 3 +++
1 file changed, 3 insertions(+)

-----
[2015-11-06 17:40:15 +0100][dea63d4d5] Ingo Diepholz
Add a listener to the 'timespan' property

m-toolbox/classes/@ao/ao.m | 12 ++++++-----
1 file changed, 12 insertions(+)

-----
[2015-11-06 17:18:58 +0100][da34f6631] Ingo Diepholz
Make the property 'timespan' observable so that children classes (like the AO class) can create a listener on that
property. That's necessary for AOs with time-series data.

m-toolbox/classes/@ltpda_uoh/ltpda_uoh.m | 35 ++++++-----
1 file changed, 8 insertions(+), 27 deletions(-)

-----
[2015-11-06 15:42:43 +0100][99c77be91] Nikos Karnesis
Renaming the 'fractional' delay mfh to 'timedomain' to be consistent with the ao/delay method

m-toolbox/m/built_in_models/mfh/mfh_model_delay_ts.m | 8 +++++-
.../built_in_models/mfh/mfh_model_delayed_diff_ts.m | 20 ++++++-----
2 files changed, 14 insertions(+), 14 deletions(-)

-----
[2015-11-06 09:13:37 +0100][25056eab4] Martin Hewitson
Merge branch 'development' into MRH/ltpda_uoh_timespan

-----
[2015-11-05 17:27:30 +0100][8d0cb3e7e] Martin Hewitson
First version of iplot which creates its own figure names automagically.

m-toolbox/classes/@ao/iplot.m | 49 ++++++-----
1 file changed, 46 insertions(+), 3 deletions(-)

-----
[2015-11-05 14:33:16 +0100][195a82f1a] Nikos Karnesis
Bug fixes: allow the core built-in models to use all the available delay methods (time domain, fftfilter and
fdfilter)
```

```

.../m/built_in_models/mfh/mfh_model_delay_ts.m | 62 ++++++-----+
.../mfh/mfh_model_delayed_diff_ts.m | 49 ++++++-----+
.../mfh/mfh_model_delayed_filtered_ts.m | 82 ++++++-----+
3 files changed, 186 insertions(+), 7 deletions(-)

-----
[2015-11-04 13:17:00 +0100] [e9dc1ff99] Nikos Karnesis
Bug fix: forgotten to add the k0 coefficient

m-toolbox/classes/@mfh/loglikelihood.m | 4 +---+
m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 6 +----+
2 files changed, 5 insertions(+), 5 deletions(-)

-----
[2015-11-04 11:53:33 +0100] [f21e10eb2] Martin Hewitson
A new method which does a basic time-stamp check of an input. It produces our standard diff(tstamp) plots and
returns the plotted object. Really just a useful wrapper of a few ltpda functions.

m-toolbox/classes/@ao/checkTimestamps.m | 119 ++++++-----+
1 file changed, 119 insertions(+)

-----
[2015-11-04 09:37:04 +0100] [48ae39140] Martin Hewitson
I don't think we want to set the toffset because we use the .x method to get the x-values, and this includes the
toffset.

m-toolbox/classes/@ao/convert.m | 8 -----
1 file changed, 8 deletions(-)

-----
[2015-11-03 17:27:17 +0100] [7abbeecd75] Martin Hewitson
Small updates to example.

m-toolbox/examples/test_mfh_custom_operators.m | 12 ++++++-----+
1 file changed, 11 insertions(+), 1 deletion(-)

-----
[2015-11-02 17:54:46 +0100] [bfa1fef65] Martin Hewitson
A new method for removing parameters from a pest. Now, this is intended for use on parameter definitions, rather
than pests arising from a fit. Probably needs a better, or wider range of, interfaces.

m-toolbox/classes/@pest/pest.m | 45 ++++++-----+
1 file changed, 45 insertions(+)

-----
[2015-11-02 17:52:27 +0100] [4c8906a49] Martin Hewitson
A new method to change parameters into constants. Needs testing on models with sub-models.

m-toolbox/classes/@mfh/mfh.m | 89 ++++++-----+
1 file changed, 78 insertions(+), 11 deletions(-)

-----
[2015-10-30 17:37:01 +0100] [b821f2951] Martin Hewitson
Exploring a better way to make this work so that the A0/tsdata case works properly.

m-toolbox/classes/@ltpda_uoh/ltpda_uoh.m | 29 ++++++-----+
1 file changed, 29 insertions(+)

-----
[2015-10-30 16:26:41 +0100] [d5729fd65] Nikos Karnesis
Merge branch 'development' into MRH/mfh_enhance3

-----
[2015-10-30 16:26:17 +0100] [e71b0a482] Nikos Karnesis
Using the 'find' function to better handling the y-units of the input parameters

m-toolbox/classes/@mfh/mfh.m | 17 +-----+
1 file changed, 2 insertions(+), 15 deletions(-)

-----
[2015-10-30 16:18:31 +0100] [fef8256c1] Nikos Karnesis
wrapping gervarname around the pest name, thus making it work in the cases of spaces in the name

m-toolbox/classes/@mfh/mfh.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2015-10-30 10:56:52 +0100] [6f5566ea9] Nikos Karnesis
Cosmetics

m-toolbox/classes/@ao/flscov.m | 108 +-----+
1 file changed, 3 insertions(+), 105 deletions(-)

-----
[2015-10-29 17:21:37 +0100] [d28bbcf61] Ingo Diepholz
I trust more the MATLAB method ishermitian() which checks if a MATRIX is a hermitian matrix as the code here.

m-toolbox/classes/@ssm/cpsdForCorrelatedInputs.m | 6 +----+
1 file changed, 2 insertions(+), 4 deletions(-)

-----
```

[2015-10-29 08:13:31 +0000] [4a60491ef] Martin Hewitson  
Bug fix: ensure we also shallow-copy the creator, otherwise the save histories will all have the provenance of the local machine doing the saving.

m-toolbox/classes/@history/getAllUniqueHistories.m | 1 +  
1 file changed, 1 insertion(+)

-----  
[2015-10-28 15:35:48 +0100] [7c31a8a4d] Sarah Paczkowski  
adapt the free-flight ode to cope with cross-couplings

m-toolbox/classes/+utils/@math/free\_flight\_ode.m | 33 ++++++-----  
1 file changed, 26 insertions(+), 7 deletions(-)

-----  
[2015-10-28 13:43:47 +0100] [ece2cd807] Nikos Karnesis  
Merge branch 'development' into MRH/mfh\_enhance3

-----  
[2015-10-28 13:33:01 +0100] [aede2ccbd] Nikos Karnesis  
Cosmetics again

m-toolbox/classes/@MCMC/mhsample.m | 25 ++++++-----  
1 file changed, 15 insertions(+), 10 deletions(-)

-----  
[2015-10-28 13:32:51 +0100] [f47c6c186] Nikos Karnesis  
Using the new utility function here

m-toolbox/classes/@MCMC/calculateCovariance.m | 28 ++++++-----  
m-toolbox/classes/@MCMC/performDataChecks.m | 30 +++++-----  
2 files changed, 18 insertions(+), 40 deletions(-)

-----  
[2015-10-28 13:32:31 +0100] [de8fdecd2] Nikos Karnesis  
A new small utility function to check about the input object. Will be used in many cases

m-toolbox/classes/@MCMC/MCMC.m | 1 +  
m-toolbox/classes/@MCMC/checkP0class.m | 41 ++++++-----  
2 files changed, 42 insertions(+)

-----  
[2015-10-28 12:57:25 +0100] [d894cf7b4] Nikos Karnesis  
Cosmetics

m-toolbox/classes/@MCMC/mhsample.m | 19 ++++++-----  
1 file changed, 14 insertions(+), 5 deletions(-)

-----  
[2015-10-28 12:54:11 +0100] [65c4b505c] Nikos Karnesis  
Adapting to pests objects as inputs. Trying to keep backwards compatibility as well

m-toolbox/classes/@MCMC/mhsample.m | 3 +-  
m-toolbox/classes/@MCMC/mhutils.m | 15 ++++++-----  
2 files changed, 13 insertions(+), 5 deletions(-)

-----  
[2015-10-28 12:49:26 +0100] [f82541893] Nikos Karnesis  
Removing this feature, as it was not working properly, and the calculation of the Fisher matrix is quite slow to use it here.

m-toolbox/classes/@MCMC/mhsample.m | 10 -----  
1 file changed, 10 deletions(-)

-----  
[2015-10-28 07:21:41 +0000] [a08c616b4] Martin Hewitson  
Better error message.

m-toolbox/classes/@xyzdata/xyzdata.m | 4 +-  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2015-10-28 07:21:21 +0000] [5ea4710ea] Martin Hewitson  
Bug fix: make sure we read back in all the relevant values.

m-toolbox/classes/@tfmap/fromDom.m | 36 ++++++-----  
1 file changed, 34 insertions(+), 2 deletions(-)

-----  
[2015-10-28 07:20:52 +0000] [1f4c9774f] Martin Hewitson  
Bug fix: if the value is empty, leave it empty.

m-toolbox/classes/@ltpda\_uoh/ltpda\_uoh.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-10-27 15:53:27 +0100] [750a1cd6e] Nikos Karnesis  
updating the function

m-toolbox/classes/@mfh/attachToDom.m | 5 -----  
1 file changed, 5 deletions(-)

```

[2015-10-27 15:53:08 +0100] [9474e94ed] Nikos Karnesis
Removing 'transform' from here as well

m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 4 +---
1 file changed, 1 insertion(+), 3 deletions(-)

[2015-10-27 14:27:30 +0100] [0bf9e5207] Nikos Karnesis
Minor bug fix to the checking of the yunits

m-toolbox/classes/@ao/flscov.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-10-27 11:19:32 +0100] [a165b5957] Nikos Karnesis
Extract the pest. A relic from before updating the algorithm class

m-toolbox/classes/@ao/mcmc.m | 5 +---
1 file changed, 4 insertions(+), 1 deletion(-)

[2015-10-27 11:03:26 +0100] [fb772b179] Nikos Karnesis
Checking for pest inputs

m-toolbox/classes/@MCMC/performDataChecks.m | 6 ++++++
1 file changed, 6 insertions(+)

[2015-10-27 10:43:06 +0100] [d931fbef] Nikos Karnesis
Make sure it is always a vector, otherwise it fails because the .y operation on pests returns column arrays

m-toolbox/classes/@MCMC/drawSample.m | 12 ++++++++-+
1 file changed, 10 insertions(+), 2 deletions(-)

[2015-10-27 10:15:23 +0100] [d59a80811] Nikos Karnesis
These too.

m-toolbox/classes/@mfh/fromDom.m | 6 -----
m-toolbox/classes/@mfh/fromStruct.m | 5 -----
2 files changed, 11 deletions(-)

[2015-10-27 10:13:53 +0100] [5a18cdd73] Nikos Karnesis
We need to remove the property from the utility functions as well.

m-toolbox/classes/@mfh/copy.m | 1 -
1 file changed, 1 deletion(-)

[2015-10-27 10:13:24 +0100] [9b7f2f55e] Nikos Karnesis
Removing the transform key here as well, avoid warnings.

.../m/built_in_models/mfh/mfh_model_fft_signals.m | 26 +-----
1 file changed, 2 insertions(+), 24 deletions(-)

[2015-10-27 09:46:52 +0100] [7585f4500] Nikos Karnesis
Removing the 'transform' property of the mfh instances. It is superseded by the 'numeric' property.

m-toolbox/classes/@mfh/mfh.m | 42 +++++++-----+
1 file changed, 15 insertions(+), 27 deletions(-)

[2015-10-27 09:29:12 +0100] [a4528c6bd] Nikos Karnesis
Merge branch 'development' into MRH/mfh_enhance3

[2015-10-26 17:42:25 +0100] [f910ec4ed] Nikos Karnesis
There is no 'transform' any more, we use the 'numeric' property instead

m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 4 +---
1 file changed, 3 insertions(+), 1 deletion(-)

[2015-10-26 17:21:34 +0100] [defe61431] Nikos Karnesis
More sensible check here

m-toolbox/classes/@MCMC/performDataChecks.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-10-26 17:15:12 +0100] [e388ad239] Nikos Karnesis
Another check here

m-toolbox/classes/@mfh/fisher.m | 3 +-
1 file changed, 2 insertions(+), 1 deletion(-)

```

[2015-10-26 17:14:58 +0100] [686aff51a] Nikos Karnesis  
 Added check for special cases of likelihood functions

```
m-toolbox/classes/@MCMC/calculateCovariance.m | 20 ++++++-----  

1 file changed, 19 insertions(+), 1 deletion(-)
```

---

[2015-10-26 17:14:31 +0100] [e67e2672d] Nikos Karnesis  
 Merging with pest inputs

```
m-toolbox/classes/@mfh/loglikelihood_core_noiseFit_v1.m | 7 +----  

1 file changed, 5 insertions(+), 2 deletions(-)
```

---

[2015-10-26 17:14:05 +0100] [3eb20ae58] Nikos Karnesis  
 Merge branch 'MRH/mfh\_enhance3' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into MRH/mfh\_enhance3

---

[2015-10-26 16:46:47 +0100] [39c1ba78b] Martin Hewitson  
 Improve help documentation describing the last column for errors.

```
m-toolbox/classes/@ao/export.m | 12 ++++++----  

1 file changed, 8 insertions(+), 4 deletions(-)
```

---

[2015-10-26 13:24:40 +0100] [68917520b] Nikos Karnesis  
 Throwing a warning when the input is not a pest object. Also checking the class of the input in the mfh/Jacobian function. Probably need to revisit this function later

```
m-toolbox/classes/@mfh/fisher.m | 5 +----  

m-toolbox/classes/@mfh/getJacobian.m | 4 +----  

2 files changed, 9 insertions(+)
```

---

[2015-10-26 07:59:52 +0000] [5165a1546] Martin Hewitson  
 Use a more robust replace method and instead of wrapping in unit operators, we can simply use find() on the input pest and name the variables. Much nicer.

```
m-toolbox/classes/@mfh/mfh.m | 21 ++++++-----  

1 file changed, 7 insertions(+), 14 deletions(-)
```

---

[2015-10-25 17:49:38 +0000] [7185c409e] Martin Hewitson  
 Two example scripts showing combining and reusing mfh models and pest objects.

```
m-toolbox/examples/test_mfh_custom_2.m | 66 ++++++-----  

m-toolbox/examples/test_mfh_custom_operators.m | 105 ++++++-----  

2 files changed, 171 insertions(+)
```

---

[2015-10-25 17:49:06 +0000] [5811c1e82] Martin Hewitson  
 New pest combine method. No attempt is made yet to deal with covariance etc.

```
m-toolbox/classes/@pest/combine.m | 94 ++++++-----  

1 file changed, 94 insertions(+)
```

---

[2015-10-25 17:48:39 +0000] [38ba7a70a] Martin Hewitson  
 Setting for the numeric flag.

```
m-toolbox/classes/@mfh/setNumeric.m | 79 ++++++-----  

1 file changed, 79 insertions(+)
```

---

[2015-10-25 17:48:11 +0000] [8ae201910] Martin Hewitson  
 If the models being operated on have definitions (functions and parameters) it's best to combine those and build again from the definition.

```
m-toolbox/classes/@mfh/elementOp.m | 41 ++++++-----  

1 file changed, 29 insertions(+), 12 deletions(-)
```

---

[2015-10-05 10:17:50 +0200] [6a94e8aa0] Martin Hewitson  
 Allow construction where the names are specified by an array of objects. This will work for any class which implements a char() method which returns a cell-array of strings. For example, the new LPFParam class.

```
m-toolbox/classes/@pest/pest.m | 10 ++++++--  

1 file changed, 8 insertions(+), 2 deletions(-)
```

---

[2015-10-05 10:03:13 +0200] [79302c546] Martin Hewitson  
 Ensure the names are strings by calling char() on each element. This allows us to specify names via the new LPFParam class.

```
m-toolbox/classes/@pest/pest.m | 9 ++++++--  

1 file changed, 8 insertions(+), 1 deletion(-)
```

---

[2015-10-03 16:56:17 +0200] [bed3e09af] Martin Hewitson  
 First go at some basic operators for the mfh class.

```
m-toolbox/classes/@mfh/elementOp.m | 390 ++++++-----+-----+-----+-----+-----+  
m-toolbox/classes/@mfh/mfh.m | 1 +  
m-toolbox/classes/@mfh/minus.m | 77 ++++++  
m-toolbox/classes/@mfh/plus.m | 76 ++++++  
m-toolbox/classes/@mfh/rdivide.m | 76 ++++++  
m-toolbox/classes/@mfh/times.m | 76 ++++++  
6 files changed, 696 insertions(+)
```

---

```
[2015-10-25 17:05:35 +0000] [6169ecf43] Martin Hewitson  
Error checking.
```

```
m-toolbox/classes/@mfh/mfh.m | 5 +++++  
1 file changed, 5 insertions(+)
```

---

```
[2015-10-25 09:20:30 +0000] [20968fb25] Martin Hewitson  
If the user passes a pest, then we can use that to define the output.
```

```
m-toolbox/classes/@MCMC/mhsample.m | 13 ++++++----  
1 file changed, 10 insertions(+), 3 deletions(-)
```

---

```
[2015-10-25 09:14:13 +0000] [06b0e1143] Martin Hewitson  
If the model is numeric, make doubles from all inputs.
```

```
m-toolbox/classes/@mfh/eval.m | 6 +----  
1 file changed, 3 insertions(+), 3 deletions(-)
```

---

```
[2015-10-25 09:13:34 +0000] [d96f3ebf8] Martin Hewitson  
We don't need to do this conversion to double since this will happen in the model/eval.
```

```
m-toolbox/classes/@mfh/fisher.m | 5 -----  
1 file changed, 5 deletions(-)
```

---

```
[2015-10-25 09:11:49 +0000] [56b30c995] Martin Hewitson  
Some cleaning up and rationalisation, assuming the input is always a pest. Can we assume/define this?
```

```
m-toolbox/classes/@mfh/fminsearch.m | 55 ++++++-----  
1 file changed, 13 insertions(+), 42 deletions(-)
```

---

```
[2015-10-25 09:10:49 +0000] [dcfb24a88] Martin Hewitson  
Some cleaning up to work better with pest inputs.
```

```
m-toolbox/classes/@mfh/getJacobian.m | 36 ++++++-----  
1 file changed, 12 insertions(+), 24 deletions(-)
```

---

```
[2015-10-25 09:10:09 +0000] [260e79c86] Martin Hewitson  
If the model is numeric we can index the parameters directly, otherwise we need the .y operator.
```

```
m-toolbox/classes/@mfh/mfh.m | 4 +----  
1 file changed, 4 insertions(+)
```

---

```
[2015-10-25 09:09:34 +0000] [1ec3438d6] Martin Hewitson  
Make sure we copy the defining pest object.
```

```
m-toolbox/classes/@mfh/mfh.m | 5 +----  
1 file changed, 4 insertions(+), 1 deletion(-)
```

---

```
[2015-10-25 09:08:10 +0000] [8ec4a7ab7] Martin Hewitson  
Bug fix: in 2015b and above empty indexing cell-arrays is not allowed.
```

```
m-toolbox/classes/@pest/table.m | 4 +---  
1 file changed, 2 insertions(+), 2 deletions(-)
```

---

```
[2015-10-24 14:46:39 +0100] [892b48271] Martin Hewitson  
Proper default type.
```

```
m-toolbox/classes/@mfh/mfh.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

---

```
[2015-10-24 14:46:17 +0100] [17283c40c] Martin Hewitson  
Deal with saving and loading of new properties.
```

```
m-toolbox/classes/@mfh/attachToDom.m | 17 ++++++-----  
m-toolbox/classes/@mfh/fromDom.m | 18 ++++++-----  
2 files changed, 35 insertions(+)
```

---

```
[2015-10-24 14:45:39 +0100] [9bbd43f54] Martin Hewitson  
Bug fix: need to properly copy the parameters pest object.
```

```
m-toolbox/classes/@mfh/copy.m | 4 +---
```

```

1 file changed, 3 insertions(+), 1 deletion(-)

[2015-10-24 14:10:12 +0100] [dcb611860] Martin Hewitson
Display numeric property.

m-toolbox/classes/@mfh/disp.m | 1 +
1 file changed, 1 insertion(+)

[2015-10-24 14:09:25 +0100] [e578f9b80] Martin Hewitson
Display the defining function and parameters. The resulting function for evaluating is displayed as the function handle at the top.

m-toolbox/classes/@mfh/disp.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)

[2015-10-24 14:08:38 +0100] [57594d4e4] Martin Hewitson
A safer string replace based on regexp.

m-toolbox/classes/@mfh/eval.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-10-24 14:08:10 +0100] [06361d3b9] Martin Hewitson
Create unit operators if model is not numeric. These operators are built from the definition in the defining pest object.

m-toolbox/classes/@mfh/mfh.m | 15 ++++++
1 file changed, 15 insertions(+)

[2015-10-24 14:07:21 +0100] [2d0425d71] Martin Hewitson
Added a numeric property

m-toolbox/classes/@mfh/mfh.m | 4 +++
1 file changed, 4 insertions(+)

[2015-10-24 14:06:59 +0100] [eab94650d] Martin Hewitson
Just adding some comments.

m-toolbox/classes/@mfh/mfh.m | 2 ++
1 file changed, 2 insertions(+)

[2015-10-24 14:06:06 +0100] [a6b145f29] Martin Hewitson
Added a numeric property

m-toolbox/classes/@mfh/copy.m | 1 +
m-toolbox/classes/@mfh/mfh.m | 5 +++++
2 files changed, 6 insertions(+)

[2015-10-24 14:04:40 +0100] [c8b1e2a7c] Martin Hewitson
Allow the pole value to be specified by an A0.

m-toolbox/classes/@pz/pz.m | 5 +++++
1 file changed, 5 insertions(+)

[2015-10-24 10:43:56 +0100] [c01ea71d4] Martin Hewitson
Allow the delay to be an ao in the caller is method case.

m-toolbox/classes/@ao/delay.m | 3 +++
1 file changed, 3 insertions(+)

[2015-10-24 12:36:41 +0100] [2d28680a3] Martin Hewitson
Trying a simpler scheme to arrive at named parameters. Just getting started.

m-toolbox/classes/@mfh/copy.m | 3 +++
m-toolbox/classes/@mfh/mfh.m | 47 ++++++
2 files changed, 49 insertions(+), 1 deletion(-)

[2015-10-23 18:59:26 +0100] [62276064c] Martin Hewitson
If a time is passed, create a timespan with the same start and stop time. If a string or double is passed, create a time, then a timespan with the same start/stop time.

m-toolbox/classes/@ltpda_uoh/ltpda_uoh.m | 13 ++++++
1 file changed, 11 insertions(+), 2 deletions(-)

[2015-10-23 18:53:15 +0100] [eb4c25f86] Martin Hewitson
Beginning implementation of a timespan property for all user objects. Obviously, this doesn't always make sense in all user objects (for example, the timespan), but it's general enough to implement at this level.

m-toolbox/classes/@ao/disp.m | 1 +
m-toolbox/classes/@ltpda_uoh/attachToDom.m | 7 +++

```

```
m-toolbox/classes/@ltpda_uoh/copy.m | 3 ++
m-toolbox/classes/@ltpda_uoh/fromDom.m | 6 +++
m-toolbox/classes/@ltpda_uoh/fromStruct.m | 5 ++
m-toolbox/classes/@ltpda_uoh/ltpda_uoh.m | 8 +++
m-toolbox/classes/@ltpda_uoh/setTimespan.m | 87 ++++++-----+
7 files changed, 117 insertions(+)
```

---

[2015-10-21 16:50:09 +0200] [12305b75b] Nikos Karnesis  
Printing more helpful information in the output

```
m-toolbox/classes/@MCMC/mhsample.m | 11 ++++++-
m-toolbox/classes/@MCMC/processChain.m | 5 +++
2 files changed, 15 insertions(+), 1 deletion(-)
```

---

[2015-10-21 16:49:47 +0200] [8996aaa05] Nikos Karnesis  
Changed the default plist key for the name. It was ignored before

```
m-toolbox/classes/@plist/plist.m | 3 +-
.../built_in_models/mfh/mfh_model_loglikelihood.m | 40 ++++++-----
2 files changed, 22 insertions(+), 21 deletions(-)
```

---

[2015-10-21 14:27:31 +0200] [a1f9bfd0a] Nikos Karnesis  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

---

[2015-10-21 11:02:37 +0200] [db88e4c6f] Ingo Diepholz  
Add a new case for structures

```
m-toolbox/classes/@plist/plist2cmds.m | 4 +++
1 file changed, 4 insertions(+)
```

---

[2015-10-20 15:47:23 +0200] [949f0c87c] Sarah Paczkowski  
add free-flight ode to utils.math

```
m-toolbox/classes/+utils/@math/free_flight_ode.m | 32 ++++++-----+
m-toolbox/classes/+utils/@math/math.m | 1 +
2 files changed, 33 insertions(+)
```

---

[2015-10-19 17:04:50 +0200] [fcb863022] Nikos Karnesis  
Naming the output figures

```
m-toolbox/classes/@MCMC/computeICSMATRIX.m | 5 +---+
m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 4 +---+
2 files changed, 7 insertions(+), 2 deletions(-)
```

---

[2015-10-19 15:29:18 +0200] [95aa87ba8] Nikos Karnesis  
Changing the order of the outputs. Was causing a bug in sampling

```
m-toolbox/classes/@mfh/loglikelihood_core_log.m | 4 +---+
1 file changed, 2 insertions(+), 2 deletions(-)
```

---

[2015-10-19 15:19:34 +0200] [128bf12b1] Luigi Ferraioli  
lsf file on commits 0138e83 and 79a5caf was containing some bugs that are fixed by the present commit

```
m-toolbox/classes/@ao/lsf.m | 7 +++++-
1 file changed, 6 insertions(+), 1 deletion(-)
```

---

[2015-10-19 10:49:24 +0200] [e0f49e4ad] Nikos Karnesis  
Cosmetics, and more checks on the mfh models

```
m-toolbox/classes/@mfh/loglikelihood_core_log.m | 2 -
.../built_in_models/mfh/mfh_model_loglikelihood.m | 86 ++++++-----+
2 files changed, 82 insertions(+), 6 deletions(-)
```

---

[2015-10-15 15:07:46 +0200] [f03528973] Ingo Diepholz  
Use the verbose level which is configured in the test rig.

```
m-toolbox/classes/tests/@ltpda_test_runner/run_tests.m | 5 -----
1 file changed, 5 deletions(-)
```

---

[2015-10-15 12:36:27 +0200] [a8b2cd904] Ingo Diepholz  
Make from all test scripts functions and close all plots inside the function.

```
m-toolbox/test/ao_class_test.m | 2 ++
m-toolbox/test/example_1.m | 1 +
m-toolbox/test/example_2.m | 1 +
m-toolbox/test/test_abs.m | 1 +
m-toolbox/test/test_ao_1.m | 1 +
m-toolbox/test/test_ao_bilinfit.m | 2 ++
m-toolbox/test/test_ao_coherem | 1 +
m-toolbox/test/test_ao_consolidate.m | 5 +---
```

m-toolbox/test/test_ao_cpsd.m	1 +
m-toolbox/test/test_ao_detrend.m	1 +
m-toolbox/test/test_ao_downsample.m	1 +
m-toolbox/test/test_ao_fftfilt.m	4 +----
m-toolbox/test/test_ao_find.m	1 +
m-toolbox/test/test_ao_freq_series.m	4 +---
m-toolbox/test/test_ao_gapfilling.m	1 +
m-toolbox/test/test_ao_heterodyne.m	5 +++++
m-toolbox/test/test_ao_hist.m	1 +
m-toolbox/test/test_ao_interp.m	1 +
m-toolbox/test/test_ao_join_ts.m	1 +
m-toolbox/test/test_ao_lincom.m	4 +----
m-toolbox/test/test_ao_linedetect.m	5 +----
m-toolbox/test/test_ao_linfit.m	1 +
m-toolbox/test/test_ao_lsco.m	6 +++++-
m-toolbox/test/test_ao_plot.m	1 +
m-toolbox/test/test_ao_polyfit.m	1 +
m-toolbox/test/test_ao_pwelch.m	1 +
m-toolbox/test/test_ao_removeVal.m	6 ++++++
m-toolbox/test/test_ao_rotate.m	0
m-toolbox/test/test_ao_select.m	1 +
m-toolbox/test/test_ao_spikecleaning.m	1 +
m-toolbox/test/test_ao_split.m	1 +
m-toolbox/test/test_ao_split_frequency.m	1 +
m-toolbox/test/test_ao_tfe.m	1 +
m-toolbox/test/test_ao_timeaverage.m	0
m-toolbox/test/test_ao_tsfcn.m	1 +
m-toolbox/test/test_ao_upsample.m	1 +
m-toolbox/test/test_ao_waveform.m	1 +
m-toolbox/test/test_ao_xfit.m	4 +----
m-toolbox/test/test_collection_plot.m	1 +
m-toolbox/test/test_conj.m	1 +
m-toolbox/test/test_ctranspose.m	1 +
m-toolbox/test/test_det.m	1 +
m-toolbox/test/test_diag.m	1 +
m-toolbox/test/test_eig.m	1 +
m-toolbox/test/test_fft.m	2 ++
m-toolbox/test/test_filter_edges.m	1 +
m-toolbox/test/test_fir_filter.m	1 +
m-toolbox/test/test_iir_filtering.m	2 ++
m-toolbox/test/test_inv.m	1 +
m-toolbox/test/test_iplot_2.m	2 +-
m-toolbox/test/test_iplot_3.m	3 +---
m-toolbox/test/test_lincom_cdata.m	1 +
m-toolbox/test/test_lpsd.m	2 ++
m-toolbox/test/test_ltpda_cohere.m	2 ++
m-toolbox/test/test_ltpda_cpsd.m	2 ++
m-toolbox/test/test_ltpda_lincom.m	2 ++
m-toolbox/test/test_ltpda_linedetect.m	1 +
m-toolbox/test/test_ltpda_ltfem.m	1 +
m-toolbox/test/test_ltpda_nfest.m	1 +
m-toolbox/test/test_ltpda_polydetrend.m	2 ++
m-toolbox/test/test_ltpda_pwelch.m	1 +
m-toolbox/test/test_ltpda_tfe.m	2 ++
m-toolbox/test/test_ltpda_xcorr.m	1 +
m-toolbox/test/test_matrix_plot.m	1 +
m-toolbox/test/test_mean.m	2 ++
m-toolbox/test/test_mfir_class.m	1 +
m-toolbox/test/test_miir_class.m	2 ++
m-toolbox/test/test_miir_filter.m	1 +
m-toolbox/test/test_miir_filtfilt.m	1 +
m-toolbox/test/test_miir_redesign.m	2 ++
m-toolbox/test/test_minus.m	2 ++
m-toolbox/test/test_mpower.m	2 ++
m-toolbox/test/test_norm.m	2 ++
m-toolbox/test/test_plus.m	2 ++
m-toolbox/test/test_pzm_to_fir.m	1 +
m-toolbox/test/test_pzmodel_class.m	2 ++
m-toolbox/test/test_rdivide.m	2 ++
m-toolbox/test/test_recreate_1.m	2 ++
m-toolbox/test/test_resample.m	2 ++
m-toolbox/test/test_simulated_data.m	2 ++
m-toolbox/test/test_smodel_eval.m	5 +----
m-toolbox/test/test_svd.m	2 ++
m-toolbox/test/test_times.m	1 +
m-toolbox/test/test_transpose.m	2 ++
m-toolbox/test/test_tsdata_class.m	3 +---
m-toolbox/test/test_xml_complex.m	1 +
m-toolbox/test/testing_xml.m	1 +

87 files changed, 147 insertions(+), 5 deletions(-)

---

[2015-10-14 17:00:53 +0200] [859e3ccb4] Ingo Diepholz  
 It is not necessary to provide three persistent variables for the same output. Additional to that do I not like to store a `java.util.ArrayList()` in a persistent variable.

m-toolbox/classes/@unit/unit.m | 14 +-----  
 1 file changed, 5 insertions(+), 9 deletions(-)

---

[2015-10-14 09:36:28 +0200] [0efa53b26] Mauro Hueller

Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

[2015-10-14 09:36:17 +0200] [191daa815] Mauro Hueller  
Added support for angular degrees [deg]

m-toolbox/classes/@unit/toSI.m | 3 +++  
1 file changed, 3 insertions(+)

[2015-10-13 23:28:45 +0200] [79a5caffc] Luigi Ferraioli  
flscovSegments adapted to the latest changes in lsf lsfnew changed name in lsf, so function name and file name  
matches flscov now call lsf

m-toolbox/classes/@ao/flscov.m | 3 +-  
m-toolbox/classes/@ao/lsf.m | 2 +-  
m-toolbox/classes/@matrix/flscovSegments.m | 4 +---  
3 files changed, 5 insertions(+), 4 deletions(-)

[2015-10-13 18:16:34 +0200] [0138e8329] danielvetrugno  
1. Changes on the lsf algorithm. Results are the same. 2. Changes to flscov to cope with the changes in lsf.

m-toolbox/classes/@ao/flscov.m | 4 +---  
m-toolbox/classes/@ao/lsf.m | 54 ++++++  
2 files changed, 9 insertions(+), 49 deletions(-)

[2015-10-07 17:25:23 +0200] [bdd571e5b] danielvetrugno  
changes to flscov to work with the new static methods lsf and performFFTcore shared with flscovSegments

m-toolbox/classes/@ao/flscov.m | 200 ++++++-----  
1 file changed, 111 insertions(+), 89 deletions(-)

[2015-10-07 17:16:26 +0200] [b6e18173e] Luigi Ferraioli  
changing termination criterion in flscovSegments

m-toolbox/classes/@matrix/flscovSegments.m | 4 +---  
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-10-07 17:09:37 +0200] [2c59aed29] Luigi Ferraioli  
restoring try around nargin loop

m-toolbox/classes/@matrix/flscovSegments.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-10-07 17:03:46 +0200] [9f581d5e2] Luigi Ferraioli  
changing flscovSegments to omogenize with flscov

m-toolbox/classes/@matrix/flscovSegments.m | 193 ++++++-----  
1 file changed, 101 insertions(+), 92 deletions(-)

[2015-10-07 16:58:02 +0200] [6a33165b9] Luigi Ferraioli  
Revert "changing flscovSegments to omogenize with flscov"

m-toolbox/classes/@matrix/flscovSegments.m | 193 ++++++-----  
1 file changed, 92 insertions(+), 101 deletions(-)

[2015-10-07 16:30:13 +0200] [3f1a6272f] Luigi Ferraioli  
reset to original behavior, do no really understand the presence of the try cicle

m-toolbox/classes/@matrix/flscovSegments.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-10-07 16:27:57 +0200] [ff62944d6] Luigi Ferraioli  
changing flscovSegments to omogenize with flscov

m-toolbox/classes/@matrix/flscovSegments.m | 193 ++++++-----  
1 file changed, 101 insertions(+), 92 deletions(-)

[2015-10-07 16:22:50 +0200] [a214d03ad] Luigi Ferraioli  
updating with the new methods

m-toolbox/classes/@ao/ao.m | 2 ++  
1 file changed, 2 insertions(+)

[2015-10-07 16:21:58 +0200] [96bf611d1] Luigi Ferraioli  
new hidden methods to be used in flscov and flscovSegments

m-toolbox/classes/@ao/lsf.m | 71 ++++++-----  
m-toolbox/classes/@ao/performFFTcore.m | 35 ++++++-----  
2 files changed, 106 insertions(+)

```
-----  
[2015-10-07 12:18:38 +0200] [fd7161779] Mauro Hueller  
Typo fixed
```

```
m-toolbox/classes/@collection/plot.m | 0  
1 file changed, 0 insertions(+), 0 deletions(-)
```

```
-----  
[2015-10-07 11:33:12 +0200] [58aa57ac6] Martin Hewitson  
Typo fixed.
```

```
m-toolbox/classes/@collection/plotTrends.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2015-10-06 10:25:17 +0200] [0f937ed3a] Nikos Karnesis  
Put the default value back to 1
```

```
m-toolbox/classes/@plist/plist.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2015-10-02 12:11:11 +0200] [da0ff1dcb] Ingo Diepholz  
I think that's a bug fix
```

```
m-toolbox/classes/@pest/table.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2015-10-01 10:17:08 +0200] [8037410be] Mauro Hueller  
Supporting more units
```

```
m-toolbox/classes/@unit/toSI.m | 18 ++++++-----  
m-toolbox/classes/@unit/unit.m | 4 +-  
2 files changed, 21 insertions(+), 1 deletion(-)
```

```
-----  
[2015-10-01 09:54:43 +0200] [9ce74f186] Mauro Hueller  
Maybe this is faster, while keeping the origin the same
```

```
m-toolbox/classes/@unit/toSI.m | 7 +++++--  
1 file changed, 5 insertions(+), 2 deletions(-)
```

```
-----  
[2015-09-30 10:21:03 +0200] [aa520fc63] Nikos Karnesis  
Merge branch 'development' into NK/segmentedLikelihood
```

```
-----  
[2015-09-29 06:43:09 +0200] [fb8a8e870] Mauro Hueller  
Added SI equivalent of a supported unit
```

```
m-toolbox/classes/@unit/toSI.m | 2 ++  
1 file changed, 2 insertions(+)
```

```
-----  
[2015-09-28 22:08:34 +0200] [0b20cc640] Mauro Hueller  
Merge branch 'development' into MH/extending_units
```

```
-----  
[2015-09-28 09:05:35 +0200] [4feb74f03] Martin Hewitson  
In MATLAB 2015b the use of inputname() when called from an override of subsref is no longer supported. And since  
we hit this quite a lot, I put a try-catch around all our calls to inputname().
```

```
m-toolbox/classes/@ltpda_container/abs.m | 4 +---  
m-toolbox/classes/@ltpda_container/conj.m | 4 +---  
m-toolbox/classes/@ltpda_container/consolidate.m | 4 +---  
m-toolbox/classes/@ltpda_container/detrend.m | 4 +---  
m-toolbox/classes/@ltpda_container/diff.m | 4 +---  
m-toolbox/classes/@ltpda_container/downsample.m | 4 +---  
m-toolbox/classes/@ltpda_container/dsmean.m | 4 +---  
m-toolbox/classes/@ltpda_container/fft.m | 4 +---  
m-toolbox/classes/@ltpda_container/fixfs.m | 4 +---  
m-toolbox/classes/@ltpda_container/heterodyne.m | 4 +---  
m-toolbox/classes/@ltpda_container/interp.m | 4 +---  
m-toolbox/classes/@ltpda_container/interpmissing.m | 4 +---  
m-toolbox/classes/@ltpda_container/lpsd.m | 4 +---  
m-toolbox/classes/@ltpda_container/polyfit.m | 4 +---  
m-toolbox/classes/@ltpda_container/psd.m | 4 +---  
m-toolbox/classes/@ltpda_container/removeVal.m | 4 +---  
m-toolbox/classes/@ltpda_container/resample.m | 4 +---  
m-toolbox/classes/@ltpda_container/search.m | 4 +---  
m-toolbox/classes/@ltpda_container/simplifyYunits.m | 4 +---  
m-toolbox/classes/@ltpda_container/split.m | 4 +---  
m-toolbox/classes/@ltpda_container/sqrt.m | 4 +---  
m-toolbox/classes/@ltpda_container/subsData.m | 4 +---  
m-toolbox/classes/@ltpda_container/timeaverage.m | 4 +---  
m-toolbox/classes/@ltpda_container/uminus.m | 4 +---  
24 files changed, 24 insertions(+), 72 deletions(-)
```

```
-----  
[2015-09-28 09:05:09 +0200] [a7528511e] Martin Hewitson
```

```

search() returns another collection, so we need to index it.

m-toolbox/classes/@collection/plotTrends.m | 10 ++++++-
1 file changed, 5 insertions(+), 5 deletions(-)

[2015-09-28 09:04:49 +0200][458fe3695] Martin Hewitson
Bug fix: ensure we set the t0 in the evaluated trend.

m-toolbox/classes/@ao/trends.m | 1 +
1 file changed, 1 insertion(+)

[2015-09-26 13:09:32 +0200][07f38b1e1] Martin Hewitson
A first attempt at a band-limited RMS function. Just does a heterodyne in both quadratures and takes the
sqrt(cos^2 + sin^2).

m-toolbox/classes/@ao/blrms.m | 134 ++++++-----+
1 file changed, 134 insertions(+)

[2015-09-25 13:59:47 +0200][379d97efa] Mauro Hueller
Merge branch 'development' into MH/extending_units

[2015-09-25 13:58:49 +0200][f7bcc12fd] Mauro Hueller
Bug fix: we need to account for all conversion factors and multiply them

m-toolbox/classes/@unit/toSI.m | 4 +-
1 file changed, 3 insertions(+), 1 deletion(-)

[2015-09-25 13:56:27 +0200][94945646f] Mauro Hueller
Merge branch 'development' into MH/extending_units

[2015-09-25 08:29:42 +0200][401f5f851] Martin Hewitson
Bug fix: forgot to initialise these variables.

m-toolbox/classes/@ao/iplot.m | 2 ++
1 file changed, 2 insertions(+)

[2015-09-25 08:04:17 +0200][54fcc8b8a] Martin Hewitson
A new plot method for the collections coming from ao/trends.

m-toolbox/classes/@collection/plotTrends.m | 203 ++++++-----+
1 file changed, 203 insertions(+)

[2015-09-24 13:33:53 +0200][b9253eca4] Nikos Karnesis
Help updated, cosmetics, and sanity checks

m-toolbox/classes/@mfh/loglikelihood_core_log.m | 25 ++++++-----+
.../built_in_models/mfh/mfh_model_loglikelihood.m | 20 ++++++-----+
2 files changed, 31 insertions(+), 14 deletions(-)

[2015-09-24 13:33:26 +0200][1d0ed3736] Nikos Karnesis
Removed dead plist key

m-toolbox/classes/@ao/crb.m | 3 ---
1 file changed, 3 deletions(-)

[2015-09-24 12:37:13 +0200][7b041dbd5] Martin Hewitson
Also work for stair plots.

m-toolbox/classes/@plotinfo/plotinfo.m | 9 ++++++-
1 file changed, 9 insertions(+)

[2015-09-24 12:36:48 +0200][196a9303f] Martin Hewitson
Capture the fit parameters.

m-toolbox/classes/@ao/trends.m | 1 +
1 file changed, 1 insertion(+)

[2015-09-24 11:00:56 +0200][0b06d1b59] Martin Hewitson
Further work on this. Added ranges and a flag output.

m-toolbox/classes/@ao/trends.m | 63 ++++++-----+
1 file changed, 53 insertions(+), 10 deletions(-)

[2015-09-24 08:25:15 +0200][9fb2477b9] Martin Hewitson
Probably makes no sense to have std since that's the error on the mean. Also set some plot styles.

m-toolbox/classes/@ao/trends.m | 18 ++++++-----+
1 file changed, 15 insertions(+), 3 deletions(-)

```

```

[2015-09-24 08:00:32 +0200] [b346f257e] Martin Hewitson
Make complex plots work with shaded error bars.

m-toolbox/classes/@ao/iplot.m | 37 ++++++-----+
1 file changed, 24 insertions(+), 13 deletions(-)

[2015-09-24 07:41:39 +0200] [4d9d84183] Martin Hewitson
Merge branch 'development' into MRH/2015b_compatibility

[2015-09-24 07:41:10 +0200] [173c43476] Martin Hewitson
Making area error bars work for more cases.

m-toolbox/classes/@ao/iplot.m | 49 ++++++-----+
1 file changed, 43 insertions(+), 6 deletions(-)

[2015-09-24 07:40:34 +0200] [1aee28536] Martin Hewitson
First version of a new method which produces simple trends for time-series inputs. Useful for monitoring.

m-toolbox/classes/@ao/trends.m | 134 ++++++-----+
1 file changed, 134 insertions(+)

[2015-09-22 15:32:11 -0400] [593039e3a] Ira Thorpe
bug fix for edge case of user passing substitution flag with only one point

m-toolbox/classes/@ao/subsData.m | 5 +---+
1 file changed, 4 insertions(+), 1 deletion(-)

[2015-09-21 16:53:29 +0200] [a3717be70] Nikos Karnesis
First version of a logarithmic likelihood running in user-defined segments of data.

m-toolbox/classes/@mfh/loglikelihood_core_log.m | 44 ++++++-----+
.../built_in_models/mfh/mfh_model_loglikelihood.m | 18 ++++++-
2 files changed, 48 insertions(+), 14 deletions(-)

[2015-09-20 14:43:06 +0200] [852af8902] Mauro Hueller
Merge branch 'development' into MH/extending_units

[2015-09-20 14:42:24 +0200] [a357ffcd] Mauro Hueller
Added a missing quantity

.../m/built_in_models/plist/plist_model_physical_constants.m | 10 ++++++-
1 file changed, 10 insertions(+)

[2015-09-20 12:12:51 +0200] [ac498db25] Mauro Hueller
Added one more parameter to handle units that are not multiple of the SI ones. I suspect we need a better scheme
for retrieving the scale factors, calling the ao static methods is slow ...

m-toolbox/classes/@unit/toSI.m | 15 ++++++-----+
1 file changed, 12 insertions(+), 3 deletions(-)

[2015-09-20 12:11:15 +0200] [63bf16d73] Mauro Hueller
Added more units. We need to support the conversion to SI.

m-toolbox/classes/@unit/unit.m | 1 +
1 file changed, 1 insertion(+)

[2015-09-19 07:32:58 +0200] [68f08c8f6] Martin Hewitson
In MATLAB 2015b the use of inputname() when called from an override of subsref is no longer supported. And since
we hit this quite a lot, I put a try-catch around all our calls to inputname().

m-toolbox/classes/+utils/@helper/plot_gauss_hist.m | 2 +-+
m-toolbox/classes/+utils/@modules/method_template.m | 2 +-+
m-toolbox/classes/@MCMC/ao2strucArrays.m | 2 +-+
m-toolbox/classes/@MCMC/computeICSMMatrix.m | 2 +-+
m-toolbox/classes/@MCMC/mhsample.m | 2 +-+
m-toolbox/classes/@MCMC/plotLogLikelihood.m | 2 +-+
m-toolbox/classes/@MCMC/setModel.m | 2 +-+
m-toolbox/classes/@MCMC/simplex.m | 2 +-+
m-toolbox/classes/@ao/abs.m | 2 +-+
m-toolbox/classes/@ao/acos.m | 2 +-+
m-toolbox/classes/@ao/all.m | 2 +-+
m-toolbox/classes/@ao/angle.m | 2 +-+
m-toolbox/classes/@ao/any.m | 2 +-+
m-toolbox/classes/@ao/ao2numMatrices.m | 2 +-+
m-toolbox/classes/@ao/asin.m | 2 +-+
m-toolbox/classes/@ao/atan.m | 2 +-+
m-toolbox/classes/@ao/atan2.m | 2 +-+
m-toolbox/classes/@ao/average.m | 2 +-+
m-toolbox/classes/@ao/bandpass.m | 2 +-+

```

m-toolbox/classes/@ao/bandreject.m	2 +-
m-toolbox/classes/@ao/bicohere.m	2 +-
m-toolbox/classes/@ao/bilinfit.m	2 +-
m-toolbox/classes/@ao/bin_data.m	2 +-
m-toolbox/classes/@ao/buildWhitener1D.m	2 +-
m-toolbox/classes/@ao/cast.m	2 +-
m-toolbox/classes/@ao/cat.m	2 +-
m-toolbox/classes/@ao/cdfplot.m	2 +-
m-toolbox/classes/@ao/cgfill.m	2 +-
m-toolbox/classes/@ao/char.m	2 +-
m-toolbox/classes/@ao/cohere.m	2 +-
m-toolbox/classes/@ao/complex.m	2 +-
m-toolbox/classes/@ao/compute.m	2 +-
m-toolbox/classes/@ao/confint.m	2 +-
m-toolbox/classes/@ao/conj.m	2 +-
m-toolbox/classes/@ao/consolidate.m	2 +-
m-toolbox/classes/@ao/conv.m	2 +-
m-toolbox/classes/@ao/convert.m	2 +-
m-toolbox/classes/@ao/corr.m	2 +-
m-toolbox/classes/@ao/cos.m	2 +-
m-toolbox/classes/@ao/cov.m	2 +-
m-toolbox/classes/@ao/cpsd.m	2 +-
m-toolbox/classes/@ao/crb.m	2 +-
m-toolbox/classes/@ao/crbound.m	2 +-
m-toolbox/classes/@ao/cumsum.m	2 +-
m-toolbox/classes/@ao/delay.m	2 +-
m-toolbox/classes/@ao/delayEstimate.m	2 +-
m-toolbox/classes/@ao/demux.m	2 +-
m-toolbox/classes/@ao/det.m	2 +-
m-toolbox/classes/@ao/detectOutliers.m	2 +-
m-toolbox/classes/@ao/detrend.m	2 +-
m-toolbox/classes/@ao/dft.m	2 +-
m-toolbox/classes/@ao/diag.m	2 +-
m-toolbox/classes/@ao/diff.m	2 +-
m-toolbox/classes/@ao/disp.m	2 +-
m-toolbox/classes/@ao/dispersionLoop.m	2 +-
m-toolbox/classes/@ao/double.m	2 +-
m-toolbox/classes/@ao/downsample.m	2 +-
m-toolbox/classes/@ao/dropduplicates.m	2 +-
m-toolbox/classes/@ao/dsmean.m	2 +-
m-toolbox/classes/@ao/dtfe.m	2 +-
m-toolbox/classes/@ao/ecdf.m	2 +-
m-toolbox/classes/@ao/edgedetect.m	2 +-
m-toolbox/classes/@ao/eig.m	2 +-
m-toolbox/classes/@ao/eqmotion.m	2 +-
m-toolbox/classes/@ao/evaluateModel.m	2 +-
m-toolbox/classes/@ao/exp.m	2 +-
m-toolbox/classes/@ao/export.m	2 +-
m-toolbox/classes/@ao/fft.m	2 +-
m-toolbox/classes/@ao/fftfilt.m	2 +-
m-toolbox/classes/@ao/filtSubtract.m	2 +-
m-toolbox/classes/@ao/filter.m	2 +-
m-toolbox/classes/@ao/filtfilt.m	2 +-
m-toolbox/classes/@ao/find.m	2 +-
m-toolbox/classes/@ao/firwhiten.m	2 +-
m-toolbox/classes/@ao/fixfs.m	2 +-
m-toolbox/classes/@ao/flscov.m	2 +-
m-toolbox/classes/@ao/fngen.m	2 +-
m-toolbox/classes/@ao/gapfilling.m	2 +-
m-toolbox/classes/@ao/gapfillingoptim.m	2 +-
m-toolbox/classes/@ao/getAbsTimeRange.m	2 +-
m-toolbox/classes/@ao/getKSCValPSD.m	2 +-
m-toolbox/classes/@ao/getdof.m	2 +-
m-toolbox/classes/@ao/gnuplot.m	2 +-
m-toolbox/classes/@ao/heterodyne.m	2 +-
m-toolbox/classes/@ao/highpass.m	2 +-
m-toolbox/classes/@ao/hist.m	2 +-
m-toolbox/classes/@ao/hypot.m	2 +-
m-toolbox/classes/@ao/iaacf.m	2 +-
m-toolbox/classes/@ao/iffit.m	2 +-
m-toolbox/classes/@ao/imag.m	2 +-
m-toolbox/classes/@ao/integrate.m	2 +-
m-toolbox/classes/@ao/interp.m	2 +-
m-toolbox/classes/@ao/interpmissing.m	2 +-
m-toolbox/classes/@ao/intersect.m	2 +-
m-toolbox/classes/@ao/inv.m	2 +-
m-toolbox/classes/@ao/iplot.m	2 +-
m-toolbox/classes/@ao/iplotyy.m	2 +-
m-toolbox/classes/@ao/join.m	2 +-
m-toolbox/classes/@ao/kstest.m	2 +-
m-toolbox/classes/@ao/lcohere.m	2 +-
m-toolbox/classes/@ao/lcpsd.m	2 +-
m-toolbox/classes/@ao/len.m	2 +-
m-toolbox/classes/@ao/linSubtract.m	2 +-
m-toolbox/classes/@ao/linedetect.m	2 +-
m-toolbox/classes/@ao/linfit.m	2 +-
m-toolbox/classes/@ao/linlsqsvd.m	2 +-
m-toolbox/classes/@ao/lisovfit.m	2 +-
m-toolbox/classes/@ao/log.m	2 +-
m-toolbox/classes/@ao/log10.m	2 +-
m-toolbox/classes/@ao/logical.m	2 +-

m-toolbox/classes/@ao/lowpass.m	2 +-
m-toolbox/classes/@ao/lpsd.m	2 +-
m-toolbox/classes/@ao/lscov.m	2 +-
m-toolbox/classes/@ao/ltfe.m	2 +-
m-toolbox/classes/@ao/map3D.m	2 +-
m-toolbox/classes/@ao/max.m	2 +-
m-toolbox/classes/@ao/mcmc.m	2 +-
m-toolbox/classes/@ao/md5.m	2 +-
m-toolbox/classes/@ao/mean.m	2 +-
m-toolbox/classes/@ao/median.m	2 +-
m-toolbox/classes/@ao/nhsample.m	2 +-
m-toolbox/classes/@ao/min.m	2 +-
m-toolbox/classes/@ao/mod.m	2 +-
m-toolbox/classes/@ao/mode.m	2 +-
m-toolbox/classes/@ao/modelSelect.m	2 +-
m-toolbox/classes/@ao/mve.m	2 +-
m-toolbox/classes/@ao/noiseGen1D.m	2 +-
m-toolbox/classes/@ao/noiseGen2D.m	2 +-
m-toolbox/classes/@ao/norm.m	2 +-
m-toolbox/classes/@ao/normdist.m	2 +-
m-toolbox/classes/@ao/not.m	2 +-
m-toolbox/classes/@ao/nyquistPlot.m	2 +-
m-toolbox/classes/@ao/offset.m	2 +-
m-toolbox/classes/@ao/overlap.m	2 +-
m-toolbox/classes/@ao/pad.m	2 +-
m-toolbox/classes/@ao/phase.m	2 +-
m-toolbox/classes/@ao/play.m	2 +-
m-toolbox/classes/@ao/plot.m	2 +-
m-toolbox/classes/@ao/polyfit.m	2 +-
m-toolbox/classes/@ao/polyfitSpectrum.m	2 +-
m-toolbox/classes/@ao/polynomfit.m	2 +-
m-toolbox/classes/@ao/powerFit.m	2 +-
m-toolbox/classes/@ao/pps.m	2 +-
m-toolbox/classes/@ao/preprocessDataForMCMC.m	2 +-
m-toolbox/classes/@ao/psd.m	2 +-
m-toolbox/classes/@ao/psdConf.m	2 +-
m-toolbox/classes/@ao/psdVfit.m	2 +-
m-toolbox/classes/@ao/qqplot.m	2 +-
m-toolbox/classes/@ao/quasiSweptSine.m	2 +-
m-toolbox/classes/@ao/real.m	2 +-
m-toolbox/classes/@ao/removeVal.m	2 +-
m-toolbox/classes/@ao/resample.m	2 +-
m-toolbox/classes/@ao/rjsample.m	2 +-
m-toolbox/classes/@ao/rms.m	2 +-
m-toolbox/classes/@ao/round.m	2 +-
m-toolbox/classes/@ao/sDomainFit.m	2 +-
m-toolbox/classes/@ao/scale.m	2 +-
m-toolbox/classes/@ao/scatter3D.m	2 +-
m-toolbox/classes/@ao/scatterData.m	2 +-
m-toolbox/classes/@ao/select.m	2 +-
m-toolbox/classes/@ao/setDx.m	2 +-
m-toolbox/classes/@ao/setDy.m	2 +-
m-toolbox/classes/@ao/setDz.m	2 +-
m-toolbox/classes/@ao/setEnbw.m	2 +-
m-toolbox/classes/@ao/setFs.m	2 +-
m-toolbox/classes/@ao/setNavs.m	2 +-
m-toolbox/classes/@ao/setReferenceTime.m	2 +-
m-toolbox/classes/@ao/setT0.m	2 +-
m-toolbox/classes/@ao/setToffset.m	2 +-
m-toolbox/classes/@ao/setX.m	2 +-
m-toolbox/classes/@ao/setXY.m	2 +-
m-toolbox/classes/@ao/setXaxisName.m	2 +-
m-toolbox/classes/@ao/setXunits.m	2 +-
m-toolbox/classes/@ao/setY.m	2 +-
m-toolbox/classes/@ao/setYaxisName.m	2 +-
m-toolbox/classes/@ao/setYunits.m	2 +-
m-toolbox/classes/@ao/setZ.m	2 +-
m-toolbox/classes/@ao/setZaxisName.m	2 +-
m-toolbox/classes/@ao/setZunits.m	2 +-
m-toolbox/classes/@ao/sign.m	2 +-
m-toolbox/classes/@ao/simplex.m	2 +-
m-toolbox/classes/@ao/simplifyXunits.m	2 +-
m-toolbox/classes/@ao/simplifyYunits.m	2 +-
m-toolbox/classes/@ao/simplifyZunits.m	2 +-
m-toolbox/classes/@ao/sin.m	2 +-
m-toolbox/classes/@ao/sineParams.m	2 +-
m-toolbox/classes/@ao/smooth.m	2 +-
m-toolbox/classes/@ao/sort.m	2 +-
m-toolbox/classes/@ao/spcorr.m	2 +-
m-toolbox/classes/@ao/spectrogram.m	2 +-
m-toolbox/classes/@ao/spikeCleaning.m	2 +-
m-toolbox/classes/@ao/split.m	2 +-
m-toolbox/classes/@ao/spsd.m	2 +-
m-toolbox/classes/@ao/spsdSubtraction.m	2 +-
m-toolbox/classes/@ao/sqrt.m	2 +-
m-toolbox/classes/@ao/std.m	2 +-
m-toolbox/classes/@ao/subsData.m	2 +-
m-toolbox/classes/@ao/sum.m	2 +-
m-toolbox/classes/@ao/sumjoin.m	2 +-
m-toolbox/classes/@ao/summaryReport.m	2 +-
m-toolbox/classes/@ao/svd.m	2 +-

m-toolbox/classes/@ao/svd_fit.m	2 +-
m-toolbox/classes/@ao/table.m	2 +-
m-toolbox/classes/@ao/tan.m	2 +-
m-toolbox/classes/@ao/tdfit.m	2 +-
m-toolbox/classes/@ao/tfe.m	2 +-
m-toolbox/classes/@ao/timeaverage.m	2 +-
m-toolbox/classes/@ao/timeshift.m	2 +-
m-toolbox/classes/@ao/toSI.m	2 +-
m-toolbox/classes/@ao/transpose.m	2 +-
m-toolbox/classes/@ao/uminus.m	2 +-
m-toolbox/classes/@ao/union.m	2 +-
m-toolbox/classes/@ao/unwrap.m	2 +-
m-toolbox/classes/@ao/upsample.m	2 +-
m-toolbox/classes/@ao/validate.m	2 +-
m-toolbox/classes/@ao/validateSpectrumMod.m	2 +-
m-toolbox/classes/@ao/var.m	2 +-
m-toolbox/classes/@ao/whiten1D.m	2 +-
m-toolbox/classes/@ao/whiten2D.m	2 +-
m-toolbox/classes/@ao/window.m	2 +-
m-toolbox/classes/@ao/xcorr.m	2 +-
m-toolbox/classes/@ao/xfit.m	2 +-
m-toolbox/classes/@ao/zDomainFit.m	2 +-
m-toolbox/classes/@collection/addObjects.m	2 +-
m-toolbox/classes/@collection/getObjectAtIndex.m	2 +-
m-toolbox/classes/@collection/getObjectsOfClass.m	2 +-
m-toolbox/classes/@collection/iplot.m	2 +-
m-toolbox/classes/@collection/plot.m	2 +-
m-toolbox/classes/@collection/removeObjectAtIndex.m	2 +-
m-toolbox/classes/@collection/setNames.m	2 +-
m-toolbox/classes/@collection/setObjectAtIndex.m	2 +-
m-toolbox/classes/@collection/setObjs.m	2 +-
m-toolbox/classes/@collection/summaryReport.m	2 +-
m-toolbox/classes/@filterbank/addFilters.m	2 +-
m-toolbox/classes/@filterbank/resp.m	2 +-
m-toolbox/classes/@filterbank/setIunits.m	2 +-
m-toolbox/classes/@filterbank/setOunits.m	2 +-
m-toolbox/classes/@ltpda_algorithm/ltpda_algorithm.m	2 +-
m-toolbox/classes/@ltpda_filter/conj.m	2 +-
m-toolbox/classes/@ltpda_filter/imresp.m	2 +-
m-toolbox/classes/@ltpda_filter/setHistout.m	2 +-
m-toolbox/classes/@ltpda_obj/isprop.m	2 +-
m-toolbox/classes/@ltpda_tf/plot.m	2 +-
m-toolbox/classes/@ltpda_tf/setIunits.m	2 +-
m-toolbox/classes/@ltpda_tf/setOunits.m	2 +-
m-toolbox/classes/@ltpda_tf/simplifyUnits.m	2 +-
m-toolbox/classes/@ltpda_uo/save.m	2 +-
m-toolbox/classes/@ltpda_uo/search.m	2 +-
m-toolbox/classes/@ltpda_uosetDescription.m	2 +-
m-toolbox/classes/@ltpda_uo/setName.m	2 +-
m-toolbox/classes/@ltpda_uoh/index.m	2 +-
m-toolbox/classes/@ltpda_uoh/rebuild.m	2 +-
m-toolbox/classes/@ltpda_uoh/report.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotAxes.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotColor.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotFigure.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotFillmarker.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotLineStyle.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotLineWidth.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotMarker.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotMarkerEdgeColor.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotMarkerFaceColor.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotMarkerSize.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlotInfo.m	2 +-
m-toolbox/classes/@ltpda_uoh/setPlottingStyle.m	2 +-
m-toolbox/classes/@ltpda_uoh/setProcinfo.m	2 +-
m-toolbox/classes/@ltpda_uoh/setShowsErrors.m	2 +-
m-toolbox/classes/@ltpda_uoh/string.m	2 +-
m-toolbox/classes/@ltpda_uoh/type.m	2 +-
m-toolbox/classes/@matrix/cohere.m	2 +-
m-toolbox/classes/@matrix/cpsd.m	2 +-
m-toolbox/classes/@matrix/crb.m	2 +-
m-toolbox/classes/@matrix/delay.m	2 +-
m-toolbox/classes/@matrix/det.m	2 +-
m-toolbox/classes/@matrix/dispersion.m	2 +-
m-toolbox/classes/@matrix/dispersionLoop.m	2 +-
m-toolbox/classes/@matrix/double.m	2 +-
m-toolbox/classes/@matrix/filter.m	2 +-
m-toolbox/classes/@matrix/flscovSegments.m	2 +-
m-toolbox/classes/@matrix/getObjectAtIndex.m	2 +-
m-toolbox/classes/@matrix/inv.m	2 +-
m-toolbox/classes/@matrix/iplot.m	2 +-
m-toolbox/classes/@matrix/lcohere.m	2 +-
m-toolbox/classes/@matrix/lcpsd.m	2 +-
m-toolbox/classes/@matrix/linfitsvd.m	2 +-
m-toolbox/classes/@matrix/linlsqsvd.m	2 +-
m-toolbox/classes/@matrix/loglikelihood.m	2 +-
m-toolbox/classes/@matrix/ltfe.m	2 +-
m-toolbox/classes/@matrix/mchNoisegen.m	2 +-
m-toolbox/classes/@matrix/mchNoisegenFilter.m	2 +-
m-toolbox/classes/@matrix/mcmc.m	2 +-
m-toolbox/classes/@matrix/mean.m	2 +-

m-toolbox/classes/@matrix/modelSelect.m	2 +-
m-toolbox/classes/@matrix/mtimes.m	2 +-
m-toolbox/classes/@matrix/plot.m	2 +-
m-toolbox/classes/@matrix/setObjs.m	2 +-
m-toolbox/classes/@matrix/spsdSubtraction.m	2 +-
m-toolbox/classes/@matrix/tdfit.m	2 +-
m-toolbox/classes/@matrix/tfe.m	2 +-
m-toolbox/classes/@mfh/fisher.m	2 +-
m-toolbox/classes/@mfh/fminsearch.m	2 +-
m-toolbox/classes/@mfh/fminsearchbnd.m	2 +-
m-toolbox/classes/@mfh/getFitErrors.m	2 +-
m-toolbox/classes/@mfh/getHessian.m	2 +-
m-toolbox/classes/@mfh/getJacobian.m	2 +-
m-toolbox/classes/@mfh/loglikelihood.m	2 +-
m-toolbox/classes/@mfh/paramCovMat.m	2 +-
m-toolbox/classes/@mfh/setConst0Objects.m	2 +-
m-toolbox/classes/@mfh/setInputObjects.m	2 +-
m-toolbox/classes/@mfh/setSubfuncs.m	2 +-
m-toolbox/classes/@mfh/testHessianMatrix.m	2 +-
m-toolbox/classes/@mfir/redesign.m	2 +-
m-toolbox/classes/@miir/redesign.m	2 +-
m-toolbox/classes/@pest/combineExps.m	2 +-
m-toolbox/classes/@pest/computePdf.m	2 +-
m-toolbox/classes/@pest/double.m	2 +-
m-toolbox/classes/@pest/eval.m	2 +-
m-toolbox/classes/@pest/find.m	2 +-
m-toolbox/classes/@pest/getY.m	2 +-
m-toolbox/classes/@pest/jtable.m	2 +-
m-toolbox/classes/@pest/mcmcPlot.m	2 +-
m-toolbox/classes/@pest/mve.m	2 +-
m-toolbox/classes/@pest/plot.m	2 +-
m-toolbox/classes/@pest/setChain.m	2 +-
m-toolbox/classes/@pest/setChi2.m	2 +-
m-toolbox/classes/@pest/setCorr.m	2 +-
m-toolbox/classes/@pest/setCov.m	2 +-
m-toolbox/classes/@pest/setDof.m	2 +-
m-toolbox/classes/@pest/setDy.m	2 +-
m-toolbox/classes/@pest/setDyForParameter.m	2 +-
m-toolbox/classes/@pest/setModels.m	2 +-
m-toolbox/classes/@pest/setNames.m	2 +-
m-toolbox/classes/@pest/setPdf.m	2 +-
m-toolbox/classes/@pest/setXvals.m	2 +-
m-toolbox/classes/@pest/setY.m	2 +-
m-toolbox/classes/@pest/setYforParameter.m	2 +-
m-toolbox/classes/@pest/setYunits.m	2 +-
m-toolbox/classes/@pest/setYunitsForParameter.m	2 +-
m-toolbox/classes/@pest/simplifyYunits.m	2 +-
m-toolbox/classes/@pest/subset.m	2 +-
m-toolbox/classes/@pest/table.m	2 +-
m-toolbox/classes/@pest/tdChi2.m	2 +-
m-toolbox/classes/@pest/viewResults.m	2 +-
m-toolbox/classes/@pest/y.m	2 +-
m-toolbox/classes/@pzmodel/conj.m	2 +-
m-toolbox/classes/@pzmodel/fngen.m	2 +-
m-toolbox/classes/@pzmodel/pzm2ab.m	2 +-
m-toolbox/classes/@pzmodel/setDelay.m	2 +-
m-toolbox/classes/@pzmodel/setGain.m	2 +-
m-toolbox/classes/@pzmodel/setPoles.m	2 +-
m-toolbox/classes/@pzmodel/setZeros.m	2 +-
m-toolbox/classes/@pzmodel/tomfir.m	2 +-
m-toolbox/classes/@pzmodel/tomiir.m	2 +-
m-toolbox/classes/@smodel/addAliases.m	2 +-
m-toolbox/classes/@smodel/addParameters.m	2 +-
m-toolbox/classes/@smodel/clearAliases.m	2 +-
m-toolbox/classes/@smodel/conj.m	2 +-
m-toolbox/classes/@smodel/convol_integral.m	2 +-
m-toolbox/classes/@smodel/det.m	2 +-
m-toolbox/classes/@smodel/diff.m	2 +-
m-toolbox/classes/@smodel/eval.m	2 +-
m-toolbox/classes/@smodel/fourier.m	2 +-
m-toolbox/classes/@smodel/hessian.m	2 +-
m-toolbox/classes/@smodel/ifourier.m	2 +-
m-toolbox/classes/@smodel/ilaplace.m	2 +-
m-toolbox/classes/@smodel/inv.m	2 +-
m-toolbox/classes/@smodel/iztrans.m	2 +-
m-toolbox/classes/@smodel/laplace.m	2 +-
m-toolbox/classes/@smodel/linearize.m	2 +-
m-toolbox/classes/@smodel/mrdivide.m	2 +-
m-toolbox/classes/@smodel/mtimes.m	2 +-
m-toolbox/classes/@smodel/op.m	2 +-
m-toolbox/classes/@smodel/setAliasNames.m	2 +-
m-toolbox/classes/@smodel/setAliasValues.m	2 +-
m-toolbox/classes/@smodel/setAliases.m	2 +-
m-toolbox/classes/@smodel/setExpr.m	2 +-
m-toolbox/classes/@smodel/setParameters.m	2 +-
m-toolbox/classes/@smodel/setParams.m	2 +-
m-toolbox/classes/@smodel/setTrans.m	2 +-
m-toolbox/classes/@smodel/setValues.m	2 +-
m-toolbox/classes/@smodel/setXunits.m	2 +-
m-toolbox/classes/@smodel/setXvals.m	2 +-
m-toolbox/classes/@smodel/setXvar.m	2 +-

```

m-toolbox/classes/@smodel/setYunits.m | 2 ++
m-toolbox/classes/@smodel/simplify.m | 2 ++
m-toolbox/classes/@smodel/simplifyUnits.m | 2 ++
m-toolbox/classes/@smodel/subs.m | 2 ++
m-toolbox/classes/@smodel/ztrans.m | 2 ++
m-toolbox/classes/@ssm/addParameters.m | 2 ++
m-toolbox/classes/@ssm/append.m | 2 ++
m-toolbox/classes/@ssm/assemble.m | 2 ++
m-toolbox/classes/@ssm/bode.m | 2 ++
m-toolbox/classes/@ssm/bodecst.m | 2 ++
m-toolbox/classes/@ssm/c2d.m | 2 ++
m-toolbox/classes/@ssm/cpsd.m | 2 ++
m-toolbox/classes/@ssm/cpsdForCorrelatedInputs.m | 2 ++
m-toolbox/classes/@ssm/cpsdForIndependentInputs.m | 2 ++
m-toolbox/classes/@ssm/d2c.m | 2 ++
m-toolbox/classes/@ssm/d2d.m | 2 ++
m-toolbox/classes/@ssm/duplicateInput.m | 2 ++
m-toolbox/classes/@ssm/getPortNamesForBlocks.m | 2 ++
m-toolbox/classes/@ssm/isStable.m | 2 ++
m-toolbox/classes/@ssm/kalman.m | 2 ++
m-toolbox/classes/@ssm/loglikelihood.m | 2 ++
m-toolbox/classes/@ssm/modifyTimeStep.m | 2 ++
m-toolbox/classes/@ssm/optimiseForFitting.m | 2 ++
m-toolbox/classes/@ssm/projectNoise.m | 2 ++
m-toolbox/classes/@ssm/psd.m | 2 ++
m-toolbox/classes/@ssm/removeEmptyBlocks.m | 2 ++
m-toolbox/classes/@ssm/reorganize.m | 2 ++
m-toolbox/classes/@ssm/resp cst.m | 2 ++
m-toolbox/classes/@ssm/sMinReal.m | 2 ++
m-toolbox/classes/@ssm/setBlockProperties.m | 2 ++
m-toolbox/classes/@ssm/setParams.m | 2 ++
m-toolbox/classes/@ssm/setPortProperties.m | 2 ++
m-toolbox/classes/@ssm/settlingTime.m | 2 ++
m-toolbox/classes/@ssm/simplify.m | 2 ++
m-toolbox/classes/@ssm/simulate.m | 2 ++
m-toolbox/classes/@ssm/ssm2dot.m | 2 ++
m-toolbox/classes/@ssm/ssm2miir.m | 2 ++
m-toolbox/classes/@ssm/ssm2pzmodel.m | 2 ++
m-toolbox/classes/@ssm/ssm2rational.m | 2 ++
m-toolbox/classes/@ssm/ssm2ss.m | 2 ++
m-toolbox/classes/@ssm/steadyState.m | 2 ++
m-toolbox/classes/@ssm/viewDetails.m | 2 ++
m-toolbox/classes/@timespan/double.m | 2 ++
m-toolbox/classes/@timespan/inTimespan.m | 2 ++
m-toolbox/classes/@timespan/merge.m | 2 ++
m-toolbox/classes/@timespan/minus.m | 2 ++
m-toolbox/classes/@timespan/plot.m | 2 ++
m-toolbox/classes/@timespan/plus.m | 2 ++
m-toolbox/classes/@timespan/setEndT.m | 2 ++
m-toolbox/classes/@timespan/setStartT.m | 2 ++
m-toolbox/classes/@timespan/table.m | 2 ++
m-toolbox/m/mdcs/mdc1/filters/ltpda_mdc1_ifo2acc_inloop.m | 2 ++
m-toolbox/m/mdcs/mdc1/filters/ltpda_mdc1_ifo2control.m | 2 ++
m-toolbox/m/mdcs/mdc1/filters/ltpda_mdc1_x2acc.m | 2 ++
m-toolbox/m/mdcs/mdc1/ltpda_mdc1_ifo2acc_fd.m | 2 ++
m-toolbox/m/mdcs/mdc1/ltpda_mdc1_input_noises.m | 2 ++
m-toolbox/m/mdcs/mdc1/models/ltpda_mdc1_C.m | 2 ++
m-toolbox/m/mdcs/mdc1/models/ltpda_mdc1_actuator.m | 2 ++
m-toolbox/m/mdcs/mdc1/models/ltpda_mdc1_dynamics.m | 2 ++
442 files changed, 442 insertions(+), 442 deletions(-)

```

---

[2015-09-18 19:25:06 +0200] [0bcbb0392] Martin Hewitson  
 Revert "A major change in 2015b is the way in which overloaded subsref works with inputname. This is a major issue, and this three fixes is only the tip of the iceberg. We need a better fix here, but at least these fixes allow investigations to continue."

```

m-toolbox/classes/@collection/addObjects.m | 2 --
m-toolbox/classes/@ltpda_uosetDescription.m | 2 --
m-toolbox/classes/@ltpda_uo/setName.m | 2 --
3 files changed, 6 deletions(-)

```

---

[2015-09-18 10:40:30 +0200] [ef03cae8a] Martin Hewitson  
 To avoid MATLAB warnings about indexing objects (which means using () ) with no indices passed, remove brackets.

```

m-toolbox/classes/@time/parse.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

```

---

[2015-09-18 10:39:51 +0200] [f98fe5783] Martin Hewitson  
 A major change in 2015b is the way in which overloaded subsref works with inputname. This is a major issue, and this three fixes is only the tip of the iceberg. We need a better fix here, but at least these fixes allow investigations to continue.

```

m-toolbox/classes/@collection/addObjects.m | 2 ++
m-toolbox/classes/@ltpda_uosetDescription.m | 2 ++
m-toolbox/classes/@ltpda_uo/setName.m | 2 ++
3 files changed, 6 insertions(+)

```

```
[2015-09-18 09:19:15 +0200] [dba9b4961] Martin Hewitson
Split this line to avoid MATLAB warnings about indexing objects (which means using () ) with no indices passed.
```

```
.../@LTPDADatabaseConnectionManager/LTPDADatabaseConnectionManager.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)
```

---

```
[2015-09-18 08:55:58 +0200] [5892a93ca] Martin Hewitson
Indexing a cell-array with no indices throws a warning on 2015b, and will be an error in future, so remove the
brackets.
```

```
m-toolbox/classes/@timespan/table.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)
```

---

```
[2015-09-18 08:55:28 +0200] [8648323e1] Martin Hewitson
In recent MATLAB versions it is recommended to overload disp() rather than display(). In 2015b it is necessary to
do it this way. Need to check backwards compatibility back to our oldest supported version.
```

m-toolbox/classes/@ao/{display.m => disp.m}	12 +++++---
m-toolbox/classes/@cdata/{display.m => disp.m}	6 +----
m-toolbox/classes/@collection/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@collection/subsref.m	4 +--
m-toolbox/classes/@data2D/{display.m => disp.m}	8 +-----
m-toolbox/classes/@data3D/{display.m => disp.m}	8 +-----
m-toolbox/classes/@filterbank/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@fsdata/{display.m => disp.m}	8 +-----
m-toolbox/classes/@history/{display.m => disp.m}	8 +-----
m-toolbox/classes/@ltpda_algorithm/ltpda_algorithm.m	2 +-
m-toolbox/classes/@ltpda_obj/ltpda_obj.m	2 +-
m-toolbox/classes/@ltpda_vector/{display.m => disp.m}	8 +-----
m-toolbox/classes/@matrix/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@mfh/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@mfir/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@miir/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@minfo/{display.m => disp.m}	6 +----
m-toolbox/classes/@msym/{display.m => disp.m}	6 +----
m-toolbox/classes/@param/{display.m => disp.m}	8 +-----
m-toolbox/classes/@paramValue/{display.m => disp.m}	8 +-----
m-toolbox/classes/@parfrac/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@pest/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@plist/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@plotinfo/{display.m => disp.m}	8 +-----
m-toolbox/classes/@plotinfo/plotinfo.m	10 +++++---
m-toolbox/classes/@provenance/{display.m => disp.m}	6 +----
m-toolbox/classes/@pz/{display.m => disp.m}	6 +----
m-toolbox/classes/@pzmodel/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@rational/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@smodel/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@specwin/{display.m => disp.m}	8 +-----
m-toolbox/classes/@ssm/{display.m => disp.m}	8 +-----
m-toolbox/classes/@ssmblock/{display.m => disp.m}	6 +----
m-toolbox/classes/@ssmport/{display.m => disp.m}	8 +-----
m-toolbox/classes/@tfmap/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@time/{display.m => disp.m}	12 +-----
m-toolbox/classes/@timespan/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@timespan/table.m	4 +--
m-toolbox/classes/@tsdata/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@unit/{display.m => disp.m}	6 +----
m-toolbox/classes/@xydata/{display.m => disp.m}	10 +++++---
m-toolbox/classes/@xyzdata/{display.m => disp.m}	10 +++++---
m-toolbox/classes/tests/@ltpda_obj_tests/test_display.m	2 +-

```
43 files changed, 170 insertions(+), 178 deletions(-)
```

---

```
[2015-09-18 08:23:46 +0200] [8d6d029c2] Martin Hewitson
Removing old unused classes.
```

m-toolbox/classes/@aoplotter/aoplotter.m	60 ----
m-toolbox/classes/@aoplotter/makeAxisLabel.m	94 -----
m-toolbox/classes/@aoplotter/singlePlots.m	197 -----
m-toolbox/classes/@plotter/char.m	38 ---
m-toolbox/classes/@plotter/copy.m	35 ---
m-toolbox/classes/@plotter/display.m	57 ---
m-toolbox/classes/@plotter/loadobj.m	22 --
m-toolbox/classes/@plotter/plot.m	80 -----
m-toolbox/classes/@plotter/plotter.m	284 -----
m-toolbox/classes/@plotter/update_struct.m	33 ---
m-toolbox/classes/@plotterFactory/plotterFactory.m	58 -----
m-toolbox/classes/@stattest/attachToDom.m	45 ---
m-toolbox/classes/@stattest/char.m	82 -----
m-toolbox/classes/@stattest/copy.m	42 ---
m-toolbox/classes/@stattest/display.m	136 -----
m-toolbox/classes/@stattest/fromData.m	58 -----
m-toolbox/classes/@stattest/fromDom.m	71 -----
m-toolbox/classes/@stattest/fromStruct.m	68 -----
.../classes/@stattest/generateConstructorPlist.m	116 -----
m-toolbox/classes/@stattest/loadobj.m	22 --
m-toolbox/classes/@stattest/setData.m	144 -----
m-toolbox/classes/@stattest/stattest.m	301 -----
m-toolbox/classes/@stattest/update_struct.m	21 --

```

m-toolbox/classes/@tsplotter/tsplotter.m | 28 --
24 files changed, 2092 deletions(-)

[2015-09-18 08:04:33 +0200] [3308a2c8d] Martin Hewitson
Merge branch 'development' into MRH/2015b_compatibility

[2015-09-17 11:32:19 -0400] [49a94570c] Ira Thorpe
fixed bug that missed negative transitions for unsigned integers

.../classes/+utils/@helper/extractTransitionTimes.m | 19 ++++++-----+
1 file changed, 19 insertions(+)

[2015-09-17 12:40:58 +0200] [3f0a803bf] Mauro Hueller
Bug fix: the changes by commit d539a72e0ab32837b6d6298df31cf85c1cc1465e should have been applied also here.

.../classes/+utils/@repository/updateObjMetadata.m | 21 ++++++-----+
1 file changed, 19 insertions(+), 2 deletions(-)

[2015-09-17 11:19:00 +0200] [ae81e6b7f] Michele Armano
timespan: removed method toXML

m-toolbox/classes/@timespan/toXML.m | 39 -----
1 file changed, 39 deletions(-)

[2015-09-17 08:25:47 +0200] [d9132646d] Mauro Hueller
Typo

m-toolbox/classes/@ao/iplot.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-09-16 18:03:26 +0200] [94d5a5a56] Michele Armano
timespan/toXML: fixed case of tags

m-toolbox/classes/@timespan/toXML.m | 8 +++++-
1 file changed, 4 insertions(+), 4 deletions(-)

[2015-09-16 11:06:47 +0200] [3fac4d422] Victor Martin
sprintf splitted to avoid windows slash problem

m-toolbox/classes/+utils/@autoReporter/autoReporter.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)

[2015-09-16 09:53:12 +0200] [b47b21a65] Martin Hewitson
Bug fix: cut-and-paste error resulted in wrong variable being used.

m-toolbox/classes/@ao/iplot.m | 4 +--
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-09-15 20:32:16 +0200] [afeb3fa81] Martin Hewitson
I think we can reasonably assume that if the user sets a face colour, then they want the markers filled.

m-toolbox/classes/@ltpda_uoh/setPlotMarkerFaceColor.m | 1 +
1 file changed, 1 insertion(+)

[2015-09-15 14:24:07 +0200] [d27913d89] Martin Hewitson
Support the marker edge and face colours in iplot. The ao/plot method already supports this. This answers MANTIS issue 909.

m-toolbox/classes/@ao/iplot.m | 29 ++++++-----+
1 file changed, 24 insertions(+), 5 deletions(-)

[2015-09-15 04:56:57 +0200] [c0fc18840] Mauro Hueller
Since we might not be installing extensions during LPF operations, I think it's useful to run these utilities anyways (at the moment they are run when adding extensions).

m-toolbox/m/etc/ltpda_startup.m | 5 +++
1 file changed, 5 insertions(+)

[2015-09-15 04:55:43 +0200] [321c9ea75] Mauro Hueller
Later in the same file we say the minimum required version is 8.0 (R2012b)

m-toolbox/m/etc/ltpda_startup.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-09-14 10:19:14 +0200] [accad98d9] Martin Hewitson
Merge branch 'development' into MRH/2015b_compatibility

```

```
[2015-09-12 09:55:08 +0200][12938aaa4] Michele Armano
timespan/toXML for Archive: fixed tag
```

```
m-toolbox/classes/@timespan/toXML.m | 16 ++++++-----
1 file changed, 8 insertions(+), 8 deletions(-)
```

```
-----[2015-09-11 16:39:52 +0200][d01eb3da2] Luigi Ferraioli
introducing flscovSegments that has been used during low freq noise analysis in stoc sim 5
```

```
m-toolbox/classes/@matrix/flscovSegments.m | 491 ++++++=====
1 file changed, 491 insertions(+)
```

```
-----[2015-09-11 12:23:24 +0200][a00d06c77] Mauro Hueller
The beginning of a pest/subset method. Needs careful thinking about how to properly extract the relevant subset of the covariance matrix, and how to update the model.
```

```
m-toolbox/classes/@pest/subset.m | 144 ++++++=====
1 file changed, 144 insertions(+)
```

```
-----[2015-09-09 11:40:46 +0200][e7217c5b9] Martin Hewitson
Support setting via 1's and 0's rather than just logicals.
```

```
m-toolbox/classes/@ltpda_uoh/setShowsErrors.m | 4 +--
1 file changed, 2 insertions(+), 2 deletions(-)
```

```
-----[2015-09-09 11:40:21 +0200][a0ec9a93a] Martin Hewitson
Support a cell-array input, and in this case just pass it back out. We could consider further checks here to ensure the contents of the cell-array are logicals or numeric 1's and 0's.
```

```
m-toolbox/classes/+utils/@prog/yes2true.m | 2 ++
1 file changed, 2 insertions(+)
```

```
-----[2015-09-08 15:17:29 +0200][2b1443404] Ingo Diepholz
Bug fix: I have used the wrong name for setting the x-ticks
```

```
m-toolbox/classes/@ao/iplotyy.m | 4 +--
1 file changed, 2 insertions(+), 2 deletions(-)
```

```
-----[2015-09-08 15:13:10 +0200][dcc9c868e] Ingo Diepholz
Bug fix: It is also better to get the 'xLim' and 'xTick' from the MATLAB plot. An negative example can you find in MANTIS 834: iplotyy doesn't do a good job of setting the x-axis range when the two A0s have different x values
```

```
m-toolbox/classes/@ao/iplotyy.m | 6 ++++++
1 file changed, 6 insertions(+)
```

```
-----[2015-09-08 14:41:26 +0200][61b3dd1ec] Ingo Diepholz
Add MANTIS request 822: iplotyy does not accept 'titles' in the plist. Add for this a 'title' parameter to the default PLIST and use that title if the user provides it.
```

```
m-toolbox/classes/@ao/iplotyy.m | 8 ++++++-
1 file changed, 8 insertions(+)
```

```
-----[2015-09-08 14:30:13 +0200][b13812795] Ingo Diepholz
Add MANTIS request 821: iplotyy does not seem to allow for figure naming. Add for this a 'figure' parameter to the default PLIST and use that figure handle for plotting the figure in to.
```

```
m-toolbox/classes/@ao/iplotyy.m | 10 ++++++-
1 file changed, 9 insertions(+), 1 deletion(-)
```

```
-----[2015-09-08 14:01:45 +0200][bc13614a2] Ingo Diepholz
MANTIS Change Request 816: initObjectWithSize should accept size
```

```
m-toolbox/classes/@MCMC/initObjectWithSize.m | 4 +--
m-toolbox/classes/@ao/ao.m | 8 +-----
m-toolbox/classes/@CDATA/cdata.m | 4 +--
m-toolbox/classes/@collection/collection.m | 4 +--
m-toolbox/classes/@filterbank/filterbank.m | 4 +--
m-toolbox/classes/@fsdata/fsdata.m | 4 +--
m-toolbox/classes/@history/history.m | 4 +--
m-toolbox/classes/@matrix/matrix.m | 4 +--
m-toolbox/classes/@mfh/mfh.m | 8 +-----
m-toolbox/classes/@mfir/mfir.m | 4 +--
m-toolbox/classes/@miir/miir.m | 4 +--
m-toolbox/classes/@minfo/minfo.m | 4 +--
m-toolbox/classes/@msym/msym.m | 4 +--
m-toolbox/classes/@param/param.m | 4 +--
m-toolbox/classes/@paramValue/paramValue.m | 4 +--
m-toolbox/classes/@parfrac/parfrac.m | 4 +--
m-toolbox/classes/@pest/pest.m | 4 +--
m-toolbox/classes/@plist/plist.m | 4 +--
m-toolbox/classes/@plotinfo/plotinfo.m | 4 +--
m-toolbox/classes/@provenance/provenance.m | 4 +--
```

```

m-toolbox/classes/@pz/pz.m | 8 ++++++
m-toolbox/classes/@pzmodel/pzmodel.m | 4 +---
m-toolbox/classes/@rational/rational.m | 4 +---
m-toolbox/classes/@smodel/smodel.m | 4 +---
m-toolbox/classes/@specwin/specwin.m | 4 +---
m-toolbox/classes/@ssm/ssm.m | 4 +---
m-toolbox/classes/@ssmblock/ssmblock.m | 4 +---
m-toolbox/classes/@ssmport/ssmport.m | 4 +---
m-toolbox/classes/@tfmap/tfmap.m | 4 +---
m-toolbox/classes/@time/time.m | 4 +---
m-toolbox/classes/@timespan/timespan.m | 4 +---
m-toolbox/classes/@tsdata/tsdata.m | 4 +---
m-toolbox/classes/@unit/unit.m | 4 +---
m-toolbox/classes/@xydata/xydata.m | 4 +---
m-toolbox/classes/@xyzdata/xyzdata.m | 4 +---
35 files changed, 70 insertions(+), 82 deletions(-)

```

---

[2015-09-08 08:10:20 +0200] [3052b8271] Martin Hewitson  
 Clear classes is no longer necessary (and produces many warnings) on R2015b.

```

m-toolbox/m/etc/ltpda_startup.m | 2 ++
m-toolbox/m/helper/mc.m | 2 ++
2 files changed, 4 insertions(+)

```

---

[2015-09-07 14:11:58 +0200] [e3775ba19] Ingo Diepholz  
 New method which adjusts the width of y-errorbars. This method supports MATLABs version from 2012b to now (R2015a)

```

.../classes/+utils/@plottools/adjustErrorbarTick.m | 89 ++++++=====
m-toolbox/classes/+utils/@plottools/plottools.m | 1 +
2 files changed, 90 insertions(+)

```

---

[2015-09-07 08:33:35 +0200] [8f3e31909] Martin Hewitson  
 Do a better job of converting to tsdata, especially from fsdata.

```

m-toolbox/classes/@ao/convert.m | 21 ++++++=====
1 file changed, 17 insertions(+), 4 deletions(-)

```

---

[2015-09-06 07:33:29 +0200] [2b127a5d5] Martin Hewitson  
 Oops. Wrong method name.

```

m-toolbox/classes/@ao/resample.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

```

---

[2015-09-06 07:27:27 +0200] [a84eae80e] Martin Hewitson  
 Skip objects which have too few samples. To be discussed.

```

m-toolbox/classes/@ao/resample.m | 2 ++
1 file changed, 2 insertions(+)

```

---

[2015-09-06 07:26:59 +0200] [ec9637c62] Martin Hewitson  
 We can also support int64.

```

m-toolbox/classes/@ao/resample.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

```

---

[2015-09-03 18:46:59 +0200] [1e06b42bb] Mauro Hueller  
 Commit 99c41d6b80783a8d9884bd8c3098aee9077ea666 was too aggressive. Leaving what was meant to be there, after  
 talking to the involved devs.

```

m-toolbox/classes/@ao/flscov.m | 3 +++
1 file changed, 2 insertions(+), 1 deletion(-)

```

---

[2015-09-03 15:01:02 +0200] [99c41d6b8] Nikos Karnesis  
 Revert "Bug fix: The output object had the wrong value for the correlation of the parameters"

---

[2015-09-03 14:46:39 +0200] [ee63dd7c1] Nikos Karnesis  
 Bug fix: The output object had the wrong value for the correlation of the parameters

```

m-toolbox/classes/@ao/flscov.m | 5 +---
1 file changed, 3 insertions(+), 2 deletions(-)

```

---

[2015-09-02 21:43:39 +0200] [59007cd29] danielvetrugno  
 a change to get the right correlation between parameters

```

m-toolbox/classes/@ao/flscov.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

```

---

[2015-08-29 09:48:11 +0200] [b0a3676b9] Martin Hewitson  
 Return outputs so that if this fails, it fails silently.

```
m-toolbox/html_help/help/createDocumentation/+createFuncByCat/mkMain.m | 3 ++
1 file changed, 2 insertions(+), 1 deletion(-)

[2015-08-28 21:17:16 +0200] [47c4e7b2d] Mauro Hueller
Merge branch 'development'

[2015-08-28 14:55:39 +0200] [32c891cda] Martin Hewitson
Add a setter check to ensure the function is a string.

m-toolbox/classes/@mfh/mfh.m | 18 ++++++-----+
1 file changed, 18 insertions(+)

[2015-08-28 14:54:49 +0200] [b91cb9af8] Martin Hewitson
Add another search folder for the case where we have the ops release.

.../classes/+utils/@models/getBuiltInModelSearchPaths.m | 14 ++++++-----+
1 file changed, 14 insertions(+)

[2015-08-24 12:28:54 +0200] [1044b20dc] Martin Hewitson
Make sure we copy the object before caching it because the subsequent saving of the MATLAB figure can trigger the saving mechanism on the object, which in turn compresses the history, and we don't want that for the user's object.

m-toolbox/classes/+utils/@plottools/cacheObjectInUserData.m | 1 +
1 file changed, 1 insertion(+)

[2015-08-21 14:58:09 +0200] [1fbe8808a] Nikos Karnesis
Fixing y-units here

m-toolbox/classes/@ao/flscov.m | 4 +++
1 file changed, 4 insertions(+)

[2015-08-19 18:21:26 +0200] [81d9b11a8] Ingo Diepholz
Make the creation of the function-handle-string a bit simpler.

m-toolbox/classes/@mfh/eval.m | 14 +-----+
1 file changed, 4 insertions(+), 10 deletions(-)

[2015-08-19 18:18:50 +0200] [30a512d47] Ingo Diepholz
Add a comment to the command where we create the function handle.

m-toolbox/classes/@mfh/eval.m | 4 +++
1 file changed, 4 insertions(+)

[2015-08-18 13:34:46 +0200] [cb1b880a2] Ingo Diepholz
Remove warning because I think that nobody cares.

m-toolbox/classes/@ssm/bode.m | 1 -
1 file changed, 1 deletion(-)

[2015-08-16 10:39:16 +0200] [c0ebb329e] Michele Armano
timespan/toXML method with XML format for LPF archive

m-toolbox/classes/@timespan/toXML.m | 39 ++++++-----+
1 file changed, 39 insertions(+)

[2015-08-05 10:55:27 +0200] [7ecc98054] Ingo Diepholz
Add a warning so that the person who is in charge can remove the warning and modify the code.

m-toolbox/classes/@ssm/bode.m | 1 +
1 file changed, 1 insertion(+)

[2015-08-05 09:59:46 +0200] [fc357b941] Ingo Diepholz
Remove not necessary outputs.

m-toolbox/classes/@MCMC/loadobj.m | 1 -
m-toolbox/classes/@ao/loadobj.m | 2 --
m-toolbox/classes/@collection/loadobj.m | 0
m-toolbox/classes/@matrix/loadobj.m | 0
m-toolbox/classes/@mfh/loadobj.m | 2 --
m-toolbox/classes/@mfir/loadobj.m | 0
m-toolbox/classes/@miir/loadobj.m | 0
m-toolbox/classes/@pest/loadobj.m | 1 -
m-toolbox/classes/@pzmodel/loadobj.m | 0
m-toolbox/classes/@rational/loadobj.m | 0
m-toolbox/classes/@smodel/loadobj.m | 0
m-toolbox/classes/@ssm/loadobj.m | 0
m-toolbox/classes/@timespan/loadobj.m | 0
13 files changed, 6 deletions(-)
```

-----  
[2015-08-05 09:59:09 +0200][4394146a6] Ingo Diepholz  
Bug fix: It is possible that LTPDA objects doesn't have any history. In this case is it not possible to compress the history.

m-toolbox/classes/@ltpda\_uoh/saveobj.m | 5 +++++  
1 file changed, 5 insertions(+)

-----  
[2015-08-05 09:58:06 +0200][d8255211c] Ingo Diepholz  
Bug fix: It is possible that LTPDA objects doesn't have any history. In this case is it not possible to expand the history.

m-toolbox/classes/@ltpda\_uoh/loadobj.m | 7 ++++++-  
1 file changed, 6 insertions(+), 1 deletion(-)

-----  
[2015-08-05 09:13:50 +0200][22b2aa77f] Ingo Diepholz  
Tricky bug (?): When we create PLISTS do they not get an UUID but a UUID is necessary when we submit them to a repository. This is done in the ltpda\_uo/submit method. So that the submitted PLIST object is the same as the input object is it necessary to modify also the input PLIST with a new UUID --> Moved copying the object below setting the UUID.

m-toolbox/classes/@ltpda\_uo/submit.m | 9 +++++++-  
1 file changed, 8 insertions(+), 1 deletion(-)

-----  
[2015-08-05 08:50:49 +0200][415956c8e] Ingo Diepholz  
bug fix: We have to create UUIDs for PLISTS we submit because they don't have any when we create them. In that case should get the output PLIST the new created UUID.

m-toolbox/classes/@ltpda\_uo/submit.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-08-05 08:45:21 +0200][40574e413] Ingo Diepholz  
It is necessary to copy first the input object to make sure that we don't modify the original.

m-toolbox/classes/@ltpda\_uo/update.m | 4 +---  
1 file changed, 4 insertions(+)

-----  
[2015-08-04 13:14:48 +0200][ce2542f47] Ingo Diepholz  
Hide the method 'saveobj'

m-toolbox/classes/@ltpda\_uoh/ltpda\_uoh.m | 1 +  
1 file changed, 1 insertion(+)

-----  
[2015-08-04 13:01:53 +0200][7f99fcfd8] Ingo Diepholz  
Merge remote-tracking branch 'origin/Ingo/fixHugeHistory' into development

-----  
[2015-08-04 09:52:12 +0200][fa8392e1c] Ingo Diepholz  
Update test

m-toolbox/test/test\_collection\_history.m | 4 +---  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2015-08-04 09:50:06 +0200][d54c773a5] Ingo Diepholz  
Bug fix: I have forgotten to rename all PLIST variables.

m-toolbox/classes/+utils/@models/mainFnc.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-08-04 09:49:02 +0200][6b9ea628d] Ingo Diepholz  
Bug fix ??? I don't know why we use two different PLISTS after applyDefaults. At least causes this an issue because we set two different random-seeds and only one 'seed' goes into the history.

m-toolbox/classes/+utils/@models/mainFnc.m | 5 +---  
1 file changed, 2 insertions(+), 3 deletions(-)

-----  
[2015-08-04 09:46:13 +0200][97336ce8e] Ingo Diepholz  
Bug fix: It is necessary for not 'noise' wave forms to remove the 'RAND\_STREAM' key because it might happen that we set a new random seed in the rebuild part.

m-toolbox/classes/@ao/fromWaveform.m | 7 ++++++  
1 file changed, 7 insertions(+)

-----  
[2015-08-04 08:51:59 +0200][9aa72be7b] Ingo Diepholz  
Workaround for the ssm class because there should it be possible to set symbol values works during construction. But plist/applyDefaults removes these symbol values because they are not in the default PLIST. That is the reason to use combine for the ssm class.

m-toolbox/classes/+utils/@models/mainFnc.m | 4 +---  
1 file changed, 4 insertions(+)

```
-----  
[2015-08-04 07:49:02 +0200][f54a06d12] Ingo Diepholz  
Update test  
m-toolbox/classes/tests/ao/@test_ao_powerFit/test_ao_powerFit.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)  
  
-----  
[2015-08-04 07:45:10 +0200][b62c7762f] Ingo Diepholz  
Update test  
m-toolbox/classes/tests/ao/@test_ao_abs/test_ao_abs.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)  
  
-----  
[2015-08-04 07:44:58 +0200][544713adb] Ingo Diepholz  
Bug fix  
m-toolbox/classes/@history/hist2dot.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)  
  
-----  
[2015-08-04 07:35:49 +0200][457fed366] Ingo Diepholz  
a  
m-toolbox/classes/@history/hist2dot.m | 9 +++++++-  
1 file changed, 8 insertions(+), 1 deletion(-)  
  
-----  
[2015-08-04 07:24:23 +0200][4a8308c75] Ingo Diepholz  
Bug fix? There is an issue with displaying histories of 'old' objects (pre 'context' area). If the context is  
empty then do we add an empty string '' to the field of contexts but this creates a syntax error in the dot file.  
m-toolbox/classes/@history/hist2dot.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)  
  
-----  
[2015-08-03 13:39:57 +0200][a689ca00d] Ingo Diepholz  
Make fromA0s protected.  
m-toolbox/classes/@pest/pest.m | 1 +  
1 file changed, 1 insertion(+)  
  
-----  
[2015-08-03 13:35:27 +0200][1bf66e36d] Ingo Diepholz  
Bur fix: Define a set-name for the case that the user didn't do it.  
m-toolbox/classes/@MCMC/MCMC.m | 3 +++  
1 file changed, 3 insertions(+)  
  
-----  
[2015-08-03 13:09:04 +0200][da6601b16] Ingo Diepholz  
It was wrong to remove at this position the special cases for the exception list.  
m-toolbox/classes/@ltpda_obj/isequalMain.m | 14 ++++++-----  
1 file changed, 13 insertions(+), 1 deletion(-)  
  
-----  
[2015-07-31 14:56:33 +0200][7bdc546bf] Ingo Diepholz  
Bug fix: It is possible that 'val' contains cell-arrays and we have to make sure that objects inside the cell-  
array are converted to objects.  
m-toolbox/classes/@param/fromStruct.m | 13 ++++++-----  
1 file changed, 12 insertions(+), 1 deletion(-)  
  
-----  
[2015-07-31 13:42:25 +0200][09b403d46] Ingo Diepholz  
Bug fix: Wrong variable name  
m-toolbox/classes/@history/isequal.m | 4 +-  
1 file changed, 2 insertions(+), 2 deletions(-)  
  
-----  
[2015-07-31 13:39:29 +0200][c1a868759] Ingo Diepholz  
Collecting all unique history objects (all from the inhists AND plistUsed) and then loop over the historeis.  
m-toolbox/classes/@history/isequal.m | 89 ++++++-----  
1 file changed, 58 insertions(+), 31 deletions(-)  
  
-----  
[2015-07-31 13:37:49 +0200][3836b4d32] Ingo Diepholz  
Moved handle of the exception list to the isequal of the history class.  
m-toolbox/classes/@ltpda_obj/isequalMain.m | 17 +-----  
1 file changed, 1 insertion(+), 16 deletions(-)  
  
-----  
[2015-07-31 13:37:17 +0200][a51b3ddd1] Ingo Diepholz  
Small modification  
m-toolbox/classes/@param/isequal.m | 4 +---
```

```
1 file changed, 1 insertion(+), 3 deletions(-)
```

---

```
[2015-07-31 12:39:33 +0200] [bf5d067aa] Ingo Diepholz
```

```
It's not necessary to copy the plist. We will handle that when we compress the plist, because we only need to copy in the case we need to modify.
```

```
m-toolbox/classes/@history/getAllUniqueHistories.m | 6 +----  
1 file changed, 2 insertions(+), 4 deletions(-)
```

---

```
[2015-07-31 12:39:07 +0200] [00a36ec0a] Ingo Diepholz
```

```
Add a method which gets all unique method of a history-tree.
```

```
m-toolbox/classes/@history/getAllUniqueHistories.m | 33 ++++++-----  
1 file changed, 28 insertions(+), 5 deletions(-)
```

---

```
[2015-07-30 13:42:27 +0200] [b99b29aec] Ingo Diepholz
```

```
Add a method which gets all unique method of a history-tree.
```

```
m-toolbox/classes/@history/getAllUniqueHistories.m | 47 ++++++-----  
1 file changed, 47 insertions(+)
```

---

```
[2015-07-30 17:38:30 +0200] [d0bfba4bf] Martin Hewitson
```

```
Bug fix: it is not unreasonable that the same object (from UUID) exists more than once in a repository. In that case, throw a warning and get the first one.
```

```
m-toolbox/classes/@ltpda_uo/fromRepository.m | 4 +--  
1 file changed, 2 insertions(+), 2 deletions(-)
```

---

```
[2015-07-30 17:37:46 +0200] [054a6e0aa] Martin Hewitson
```

```
Make sure we call super when loading objects so that histories get expanded.
```

```
m-toolbox/classes/@MCMC/loadobj.m | 2 ++  
m-toolbox/classes/@collection/loadobj.m | 3 +-  
m-toolbox/classes/@filterbank/loadobj.m | 3 +-  
m-toolbox/classes/@matrix/loadobj.m | 3 +-  
m-toolbox/classes/@mfh/loadobj.m | 3 +-  
m-toolbox/classes/@mfir/loadobj.m | 3 +-  
m-toolbox/classes/@miir/loadobj.m | 3 +-  
m-toolbox/classes/@parfrac/loadobj.m | 3 +-  
m-toolbox/classes/@pzmodel/loadobj.m | 3 +-  
m-toolbox/classes/@rational/loadobj.m | 3 +-  
m-toolbox/classes/@smodel/loadobj.m | 3 +-  
m-toolbox/classes/@ssm/loadobj.m | 3 +-  
m-toolbox/classes/@timespan/loadobj.m | 3 +-  
13 files changed, 27 insertions(+), 11 deletions(-)
```

---

```
[2015-07-30 17:29:04 +0200] [132bce47b] Martin Hewitson
```

```
Bug fix: ensure we make a copy of the object before we submit it. Necessary due to the fact that we modify/ compress the history of the object during saving (which we do here to create a temporary mat file to read in the bytes).
```

```
m-toolbox/classes/@ltpda_uo/submit.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

---

```
[2015-07-30 17:10:55 +0200] [5bd31e51b] Martin Hewitson
```

```
We don't need to copy the inhists here. See comment in code.
```

```
m-toolbox/classes/@history/getAllUniqueHistories.m | 7 +----  
1 file changed, 5 insertions(+), 2 deletions(-)
```

---

```
[2015-07-30 17:10:31 +0200] [71e2bc717] Martin Hewitson
```

```
Reorder just to make reading easier.
```

```
m-toolbox/classes/@history/getAllUniqueHistories.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

---

```
[2015-07-30 16:54:48 +0200] [53b6fdc3f] Martin Hewitson
```

```
Refactor some code into a new plist method so that setting the properties can be done properly.
```

```
m-toolbox/classes/@history/compressHistory.m | 35 +-----  
m-toolbox/classes/@plist/compressPlist.m | 35 ++++++-----  
2 files changed, 38 insertions(+), 32 deletions(-)
```

---

```
[2015-07-30 16:46:20 +0200] [34cec8acd] Martin Hewitson
```

```
It's not necessary to copy the plist. We will handle that when we compress the plist, because we only need to copy in the case we need to modify.
```

```
m-toolbox/classes/@history/getAllUniqueHistories.m | 6 +----  
1 file changed, 2 insertions(+), 4 deletions(-)
```

[2015-07-30 16:45:35 +0200] [3013495e8] Martin Hewitson  
Comment out debug messages for now. Once we don't need them, we can remove them.

m-toolbox/classes/@history/expandHistory.m | 8 +++++  
1 file changed, 4 insertions(+), 4 deletions(-)

-----  
[2015-07-30 16:17:49 +0200] [b772245b9] Martin Hewitson  
Ensure we call the super class to expand the history tree.

m-toolbox/classes/@ao/loadobj.m | 3 +++  
m-toolbox/classes/@pest/loadobj.m | 2 ++  
2 files changed, 5 insertions(+)

-----  
[2015-07-30 16:16:57 +0200] [dbefb8282] Martin Hewitson  
Intercept the saving and loading of MAT files to compress and expand the history tree.

m-toolbox/classes/@ltpda\_uoh/loadobj.m | 24 ++++++  
m-toolbox/classes/@ltpda\_uoh/saveobj.m | 17 ++++++  
2 files changed, 41 insertions(+)

-----  
[2015-07-30 16:16:22 +0200] [03ad39484] Martin Hewitson  
Ensure we save as MATLAB version 7 files, as this seems to be the only (modern) format that properly compresses on disk.

m-toolbox/classes/@ltpda\_uo/save.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-07-30 16:15:50 +0200] [591941c95] Martin Hewitson  
Allow the hist property to be a string (UUID) which represents the root node of the history tree after compression.

m-toolbox/classes/@ltpda\_uoh/ltpda\_uoh.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-07-30 16:14:54 +0200] [7caa0d866] Martin Hewitson  
New property where we can cache an array of history objects prior to saving.

m-toolbox/classes/@ltpda\_uoh/ltpda\_uoh.m | 1 +  
1 file changed, 1 insertion(+)

-----  
[2015-07-30 16:14:23 +0200] [51b9fe9f9] Martin Hewitson  
Two new history methods to compress and expand the history tree. We compress the history tree to an array of unique history objects, replacing inhists and history objects with plists by their UUIDs. The expand method rebuilds the tree by replacing the UUIDs with the pointers to the objects. This is all because MATLAB does a bad job of saving complex object graphs of pointers, often saving the same object multiple times because it appears in various places in the tree.

m-toolbox/classes/@history/compressHistory.m | 50 ++++++  
m-toolbox/classes/@history/expandHistory.m | 87 ++++++  
2 files changed, 137 insertions(+)

-----  
[2015-07-30 16:12:23 +0200] [c3669a967] Martin Hewitson  
Allow the inhists property to be a cell-array of strings. We need this to do the new history compression.

m-toolbox/classes/@history/history.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-07-30 16:11:41 +0200] [d1f675f8a] Martin Hewitson  
Improved DEBUG output. Slow but gives sizes and UUIDs in the final diagram.

m-toolbox/classes/@history/hist2dot.m | 30 ++++++  
1 file changed, 30 insertions(+)

-----  
[2015-07-30 16:11:11 +0200] [f9bdbca] Martin Hewitson  
Wrap in top-level function to hide recursive inputs. Copy history objects to allow compression afterwards.

m-toolbox/classes/@history/getAllUniqueHistories.m | 33 ++++++  
1 file changed, 28 insertions(+), 5 deletions(-)

-----  
[2015-07-30 13:42:27 +0200] [e9b010f65] Ingo Diepholz  
Add a method which gets all unique method of a history-tree.

m-toolbox/classes/@history/getAllUniqueHistories.m | 47 ++++++  
1 file changed, 47 insertions(+)

-----  
[2015-07-30 12:31:30 +0200] [d06327450] Nikos Karnesis  
Added the k0 coefficient for all likelihood formulations

m-toolbox/classes/@mfh/loglikelihood.m | 7 +----  
m-toolbox/classes/@mfh/loglikelihood\_core.m | 3 +-

```
.../classes/@mfh/loglikelihood_core_noiseFit_v1.m |  3 ++
.../classes/@mfh/loglikelihood_core_student.m |  3 ++
m-toolbox/classes/@plist/plist.m | 25 ++++++-----
.../built_in_models/mfh/mfh_model_loglikelihood.m | 18 ++++++-----
6 files changed, 29 insertions(+), 30 deletions(-)
```

---

```
[2015-07-29 19:04:54 +0200][4004d3ae6] Ingo Diepholz
several bug fixed. Maybe now a correct version of a complete r-struct.
```

```
m-toolbox/classes/+utils/@prog/rstruct.m | 30 ++++++-----
1 file changed, 23 insertions(+), 7 deletions(-)
```

---

```
[2015-07-29 17:49:05 +0200][0a38f5fc7] Nikos Karnesis
Cosmetics
```

```
m-toolbox/classes/@ao/flscov.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)
```

---

```
[2015-07-29 15:21:51 +0200][76b895908] Martin Hewitson
Bug fixing and improving the history handling for retrieving from repository. Also take the opportunity to move
some plist preparation code into the new prepareForHistory() method.
```

```
m-toolbox/classes/@ltpda_uo/fromRepository.m |  6 +-----
m-toolbox/classes/@ltpda_uoh/addHistory.m |  8 -----
m-toolbox/classes/@ltpda_uoh/fromRepository.m |  2 ++
m-toolbox/classes/@plist/plist.m | 17 ++++++-----
4 files changed, 19 insertions(+), 14 deletions(-)
```

---

```
[2015-07-29 11:50:06 +0200][6dd9dc1fb] Ingo Diepholz
Create a special case for pest/y because there exist also a 'y' method
```

```
.../help/createDocumentation/+createClassDesc/create_property_desc.m | 4 +++
1 file changed, 4 insertions(+)
```

---

```
[2015-07-29 11:49:35 +0200][5c9906ad4] Ingo Diepholz
New method which gets 'y'
```

```
m-toolbox/classes/@pest/getY.m | 73 ++++++-----
1 file changed, 73 insertions(+)
```

---

```
[2015-07-29 11:48:47 +0200][ef74be3fc] Ingo Diepholz
This method is deprecated because we have also a proeprty with the same name 'y'
```

```
m-toolbox/classes/@pest/y.m | 2 ++
1 file changed, 2 insertions(+)
```

---

```
[2015-07-29 11:45:37 +0200][8ec8f8973] Ingo Diepholz
Add description to 'gd'
```

```
m-toolbox/classes/@mfir/mfir.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)
```

---

```
[2015-07-29 11:04:00 +0200][b31691a80] Ingo Diepholz
Add description to the properties: keys and defaultKeys
```

```
m-toolbox/classes/@plist/plist.m | 4 +--
1 file changed, 2 insertions(+), 2 deletions(-)
```

---

```
[2015-07-29 10:55:18 +0200][ff6c836f7] Ingo Diepholz
Don't show transient properties
```

```
.../help/createDocumentation/+createClassDesc/create_property_desc.m | 3 +-
1 file changed, 2 insertions(+), 1 deletion(-)
```

---

```
[2015-07-29 10:48:04 +0200][b3c63299a] Ingo Diepholz
Modify the help description is such way that it is possible for the AUTO description to get the correct help
information.
```

```
m-toolbox/classes/@MCMC/MCMC.m | 1 -
m-toolbox/classes/@MCMC/getLikelihood.m | 3 +-
m-toolbox/classes/@MCMC/getPest.m | 3 +-
m-toolbox/classes/@MCMC/setModel.m | 3 +-
m-toolbox/classes/@MCMC/setNoise.m | 3 +-
5 files changed, 4 insertions(+), 9 deletions(-)
```

---

```
[2015-07-29 10:39:43 +0200][ce9c1e370] Ingo Diepholz
Remove "Function By Category" folder so that we a clean documentation.
```

```
.../html_help/help/createDocumentation/+createFuncByCat/mkMain.m | 7 +-----
1 file changed, 4 insertions(+), 3 deletions(-)
```

```

[2015-07-28 14:46:41 +0200] [d1f506b5d] Nikos Karnesis
Better printout

m-toolbox/classes/+utils/@math/psre.m | 12 +-----
m-toolbox/classes/@MCMC/processChain.m | 52 ++++++-----+
2 files changed, 47 insertions(+), 17 deletions(-)

[2015-07-28 11:14:36 +0200] [231749424] Martin Hewitson
Bug fix: help link was broken

m-toolbox/classes/@ao/crb.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-28 11:14:22 +0200] [425ef6bf8] Martin Hewitson
It's safer to set the random seed all the time.

m-toolbox/classes/@MCMC/mhsample.m | 2 --
1 file changed, 2 deletions(-)

[2015-07-28 11:02:17 +0200] [3afbd219b] Martin Hewitson
Bug fix: help link was broken.

m-toolbox/classes/@MCMC/MCMC.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-27 21:13:54 +0200] [f4e073d33] Ingo Diepholz
Bug fix: The method haven't converted LTPDA objects which are inside cell-arrays to structures.

m-toolbox/classes/+utils/@prog/rstruct.m | 22 ++++++-----+
1 file changed, 15 insertions(+), 7 deletions(-)

[2015-07-27 19:13:08 +0200] [4ec90e0cb] Ingo Diepholz
Bug fix: It is not possible to use a method (getVal()) for indexing the object -> Indexing direct the object
either a paramValue or an other object.

m-toolbox/classes/@param/isequal.m | 10 ++++++-
1 file changed, 7 insertions(+), 3 deletions(-)

[2015-07-27 16:12:33 +0200] [cf5118f9e] Martin Hewitson
In the case of constructing from repository, we can not set all object properties from the default plist. Consider
the case where the object we upload has a name, then here, when we download, we clear the name! So, we should only
put the user set properties in the history, and not the defaults (which in this case would be name='').

m-toolbox/classes/@ltpda_uoh/fromRepository.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-27 16:05:58 +0200] [698b584c6] Martin Hewitson
Bug fix in history recording, and also proper indenting.

m-toolbox/classes/@pest/computePdf.m | 7 +-----
1 file changed, 3 insertions(+), 4 deletions(-)

[2015-07-24 17:23:51 +0200] [7b1fe6a42] Michele Armano
ao/removeVal: corrected typo of lenght() to length()

m-toolbox/classes/@ao/removeVal.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-24 11:41:06 +0200] [0a213a646] Mauro Hueller
Merge branch 'development'

[2015-07-24 11:05:48 +0200] [5ec81b276] Ingo Diepholz
Add description to the property 'funcHandle'

m-toolbox/classes/@mfh/mfh.m | 4 +--
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-07-24 10:59:00 +0200] [600a3d30f] Ingo Diepholz
Add h1 line (first line for the help documentation)

m-toolbox/classes/@mfh/testHessianMatrix.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-24 09:27:47 +0200] [56433837f] Mauro Hueller
Add the possibility to override this from the config file. Useful when preparing releases.

m-toolbox/makeToolbox.m | 5 +++++

```

```

1 file changed, 5 insertions(+)

[2015-07-24 08:58:07 +0200] [64c0eee98] Ingo Diepholz
Bug fix: Make sure that the folder exist

.../html_help/help/createDocumentation/+createFuncByCat/mkMain.m | 7 ++++++-
1 file changed, 6 insertions(+), 1 deletion(-)

[2015-07-24 08:19:49 +0200] [5afe382ba] Mauro Hueller
Merge changes form branch 'development'

[2015-07-23 17:19:49 +0200] [0d00130b6] Ingo Diepholz
Add description to the 'names' property

m-toolbox/classes/@collection/collection.m | 4 +---
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-07-23 17:19:16 +0200] [1eb53e979] Ingo Diepholz
More robust

.../help/createDocumentation/+createClassDesc/create_property_desc.m | 3 +-
1 file changed, 2 insertions(+), 1 deletion(-)

[2015-07-23 17:18:20 +0200] [a7b39aec0] Ingo Diepholz
Add a short description H1 to the file

m-toolbox/classes/@matrix/modelSelect.m | 3 +-
1 file changed, 2 insertions(+), 1 deletion(-)

[2015-07-23 11:47:54 +0200] [46d60307b] Ingo Diepholz
Start the property description always with a upper case letter.

.../help/createDocumentation/+createClassDesc/create_property_desc.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-23 10:57:57 +0200] [0342a00f2] Ingo Diepholz
Use the meta information instead of using the empty constructor.

m-toolbox/classes/+utils/@helper/ltpda_userclasses.m | 5 +++++-
1 file changed, 4 insertions(+), 1 deletion(-)

[2015-07-22 23:52:21 -0400] [17967fbf3] Ira Thorpe
fixed bug when only a single outlier was present

m-toolbox/classes/@ao/detectOutliers.m | 10 ++++++---
1 file changed, 8 insertions(+), 2 deletions(-)

[2015-07-22 14:14:48 -0400] [59c2a6b33] Ira Thorpe
creates directory for image if it doesn't already exist

m-toolbox/classes/+utils/@autoReporter/autoReporter.m | 4 +++
1 file changed, 4 insertions(+)

[2015-07-22 16:27:06 +0200] [faf6f9c74] Ingo Diepholz
Remove the following entries from the table: - GIT hash - argmin - argmax - outmin - outmax

m-toolbox/classes/@minfo/tohtmlTable.m | 33 ++++++-----
1 file changed, 4 insertions(+), 29 deletions(-)

[2015-07-22 12:02:51 +0200] [0f2883730] Martin Hewitson
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

[2015-07-22 12:02:44 +0200] [a4748da86] Martin Hewitson
Revert "We shouldn't have this in git since we build it each time."

.../html_help/help/funcbycat/helpfuncbycat.xml | 1645 ++++++-----
1 file changed, 1645 insertions(+)

[2015-07-22 11:44:00 +0200] [37cc05bfb] Luigi Ferraioli
Adding figure names

m-toolbox/classes/+utils/@math/cdfplot.m | 4 +--
m-toolbox/classes/@ao/validateSpectrumMod.m | 2 +-
2 files changed, 3 insertions(+), 3 deletions(-)

[2015-07-22 09:37:26 +0200] [88430e793] Mauro Hueller
The test rig was updated so to have the 'remove_rootdir' field in the settings structs.

```

```
m-toolbox/makeToolbox.m | 8 +-----
1 file changed, 1 insertion(+), 7 deletions(-)

-----
[2015-07-22 09:04:05 +0200][5e60cb172] Martin Hewitson
Bug fix and error check. We need "w+" to make the file if it doesn't exist, and we should anyway check we get a
valid file identifier before starting to write to it.

.../html_help/help/createDocumentation/+createFuncByCat/mkMain.m | 6 +-----
1 file changed, 5 insertions(+), 1 deletion(-)

-----
[2015-07-22 08:46:08 +0200][78b68bd40] Martin Hewitson
We shouldn't have this in git since we build it each time.

.../html_help/help/funcbycat/helpfuncbycat.xml | 1645 -----
1 file changed, 1645 deletions(-)

-----
[2015-07-22 08:46:08 +0200][52506ffcd] Martin Hewitson
We shouldn't have this in git since we build it each time.

.../html_help/help/funcbycat/helpfuncbycat.xml | 1645 -----
1 file changed, 1645 deletions(-)

-----
[2015-07-20 22:28:59 -0400][324ecec1a] Ira Thorpe
added some logic to handle cases where we have data with no outliers or lots of zeros

m-toolbox/classes/@ao/detectOutliers.m | 13 ++++++-
1 file changed, 12 insertions(+), 1 deletion(-)

-----
[2015-07-19 13:20:04 +0200][19f661793] Martin Hewitson
For the new distribution method, also add jars in the integrated extension module.

m-toolbox/m/etc/ltpda_startup.m | 8 ++++++-
1 file changed, 8 insertions(+)

-----
[2015-07-19 10:32:57 +0200][331f27037] Martin Hewitson
Also set the yunits from the A0s.

m-toolbox/classes/@pest/fromA0s.m | 1 +
1 file changed, 1 insertion(+)

-----
[2015-07-18 16:40:56 +0200][c830ef16d] Martin Hewitson
Attempt to support a cell-array of objects which respond to char(). For example, LTPDAtelemetry objects in a cell-
array hit this case.

m-toolbox/classes/+utils/@prog/mcell2str.m | 5 +++++
1 file changed, 5 insertions(+)

-----
[2015-07-18 10:05:52 +0200][61e9d34f5] Martin Hewitson
Code hardening: Only try to set the correct number of elements. In principle this shouldn't be necessary, but I
have cases where a pest object has more units than parameters. That should never happen, but until the source of
that is tracked down, this code hardening helps.

m-toolbox/classes/@pest/table.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2015-07-17 22:42:45 +0200][8dc2744ec] Mauro Hueller
The test rig was not updated so to have the 'remove_rootdir' field in the settings structs. Go for a more flexible
code for the time being.

m-toolbox/makeToolbox.m | 9 ++++++-
1 file changed, 8 insertions(+), 1 deletion(-)

-----
[2015-07-17 16:53:25 +0200][77fafc16a] Ingo Diepholz
Add pest constructor from A0s e.g. p = pest(aos);

m-toolbox/classes/@pest/fromA0s.m | 54 ++++++-----+
m-toolbox/classes/@pest/pest.m | 16 ++++++-
2 files changed, 69 insertions(+), 1 deletion(-)

-----
[2015-07-17 15:52:19 +0200][287240b50] Mauro Hueller
Removing a bullet we hardly keep up to date

m-toolbox/html_help/help/ug/ltpda_product_page.html | 12 -----
1 file changed, 12 deletions(-)

-----
[2015-07-17 15:14:35 +0200][daffc2a44] Mauro Hueller
Introduced a settings.remove_rootdir flag so to skip the folder removal. Used during ops releases. Developers want
to settings.remove_rootdir = true in their config.m files
```

```
m-toolbox/makeToolbox.m | 2 ++
1 file changed, 2 insertions(+)

[2015-07-17 15:09:51 +0200][00ae320c7] Mauro Hueller
We need to be a little bit more aggressive here.

m-toolbox/makeToolbox.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-17 15:08:50 +0200][5fbc91415] Mauro Hueller
Bug fix: wrong variable name. This code fragment was not assumed anymore, anyways.

m-toolbox/makeToolbox.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-17 06:50:43 +0200][dcb1143ba] Mauro Hueller
Use fullfile() to make sure this path is correct.

m-toolbox/makeToolbox.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-16 18:42:10 +0200][a1a758c22] Victor Martin
Merge branch 'VM/autoReport' into development New functionallity for automatical report generatio

[2015-07-16 18:37:29 +0200][98257223c] Victor Martin
New Version. Embed img, TOC, and more

.../classes/+utils/@autoReporter/autoReporter.m | 168 ++++++-----+
m-toolbox/classes/+utils/@html/figure.m | 6 ++
m-toolbox/classes/+utils/@html/pageHeader.m | 197 ++++++-----+
3 files changed, 356 insertions(+), 15 deletions(-)

[2015-07-16 14:10:14 +0200][e5ec7e468] Nikos Karnesis
Better printout information

m-toolbox/classes/@MCMC/calculateCovariance.m | 4 ++
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-07-16 12:36:43 +0200][f4b90b397] Ingo Diepholz
Bug fix: We shouldn't 'overwrite' the variable 'filt' for the case that the user haven't defined a filter because we use this variable to check if we have to create a filter.

m-toolbox/classes/@ao/resample.m | 5 +---+
1 file changed, 3 insertions(+), 2 deletions(-)

[2015-07-15 16:30:36 -0400][8d5a9165e] Ira Thorpe
Merge branch 'VM/autoReport' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into VM/autoReport

[2015-07-15 16:30:22 -0400][59e30e91f] Ira Thorpe
Merge branch 'development' into VM/autoReport

[2015-07-15 15:03:07 +0200][c13f9a87b] Martin Hewitson
Merge branch 'development' into VM/autoReport

[2015-07-14 19:44:58 +0200][5c61d1351] Ingo Diepholz
Add comment character to skip lines.

m-toolbox/classes/+utils/@prog/csvFile2struct.m | 55 ++++++-----+
1 file changed, 36 insertions(+), 19 deletions(-)

[2015-07-14 19:05:35 +0200][0b73cc33e] Ingo Diepholz
Add curly brackets to the regular expression and a description how the reg-expression should work.

m-toolbox/classes/+utils/@prog/csvFile2struct.m | 10 ++++++-
1 file changed, 9 insertions(+), 1 deletion(-)

[2015-07-10 08:28:36 +0200][48eeecce5] Martin Hewitson
Add additional check since exactly equal errors actually works with the error area, but errors with very slight differences seem to break the area plotting. Strange.

m-toolbox/classes/@ao/iplot.m | 2 ++
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-09 17:03:30 +0200][37e370ac9] Ingo Diepholz
Add missing conversion.
```

```
m-toolbox/classes/@time/parse.m | 3 +++
1 file changed, 3 insertions(+)

[2015-07-09 09:16:37 +0200] [94a81775b] Martin Hewitson
Move the new file deletion inside the if do_install case.

.../utils/@modules/installExtensionsForDir.m | 22 ++++++-----
1 file changed, 11 insertions(+), 11 deletions(-)

[2015-07-09 09:08:54 +0200] [60172d336] Martin Hewitson
Remove tests directory and tex files from the final installed extension.

.../classes/+utils/@modules/installExtensionsForDir.m | 16 ++++++-----
1 file changed, 14 insertions(+), 2 deletions(-)

[2015-07-09 07:43:02 +0200] [93aa9a338] Martin Hewitson
Merge branch 'development' into MRH/alternative_delivery_process

[2015-07-09 07:42:17 +0200] [81d590513] Martin Hewitson
Update to dev version

m-toolbox/makeToolbox.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-08 14:55:44 +0200] [5259b4578] Sarah Paczkowski
Fix the procinfo in ao/resample: the procinfo was not updated if you specified a filter and it was not empty if
you didn't.

m-toolbox/classes/@ao/resample.m | 5 +---+
1 file changed, 3 insertions(+), 2 deletions(-)

[2015-07-08 08:34:19 +0100] [b88b90f2b] Ira Thorpe
Merge branch 'development' into VM/autoReport

[2015-07-07 19:33:18 +0200] [4a02f1f3c] Ingo Diepholz
Bug fix.

m-toolbox/classes/+utils/@prog/csvFile2struct.m | 4 +---+
1 file changed, 2 insertions(+), 2 deletions(-)

[2015-07-07 19:29:37 +0200] [a54810d73] Ingo Diepholz
New methods which saves a structure to a .csv file and which reads a .csv file as a structure.

m-toolbox/classes/+utils/@prog/csvFile2struct.m | 102 ++++++-----+
m-toolbox/classes/+utils/@prog/prog.m | 7 +-
m-toolbox/classes/+utils/@prog/struct2csvFile.m | 88 ++++++-----+
3 files changed, 195 insertions(+), 2 deletions(-)

[2015-07-07 07:50:46 +0200] [fe3c9d754] Mauro Hueller
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

[2015-07-07 07:50:17 +0200] [ca2858c22] Mauro Hueller
Fixed the logic: since yu an yl are the quantity to add and subtract from the central point, we should rather
check that not being vanishingly small is the following:

m-toolbox/classes/@ao/iplot.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

[2015-07-06 17:08:53 +0200] [b84ac0348] Nikos Karnesis
Cosmetics and help updated

m-toolbox/classes/@MCMC/computeICSMATRIX.m | 14 +-
.../built_in_models/mfh/mfh_model_loglikelihood.m | 111 ++++++-----+
2 files changed, 117 insertions(+), 8 deletions(-)

[2015-07-04 23:56:26 -0400] [9fae8dc6] Ira Thorpe
Merge branch 'development' into VM/autoReport

[2015-07-03 15:07:47 +0200] [935ba7359] Sarah Paczkowski
we fixed the way the random number samples are drawn so that now several small ssm noise simulations where you
pass the state lead to the same result as one long simulation

m-toolbox/classes/@ssm/doSimulate.m | 37 ++++++-----+
1 file changed, 26 insertions(+), 11 deletions(-)
```