

# Release Notes for LTPDA Toolbox v2.9.4

M Hewitson 2015-07-03

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## Introduction

This version of LTPDA is 2.9.4. This document lists the changes since V2.8.

## Known Issues

None.

## Main Changes

This version of LTPDA contains many under-the-hood improvements, particularly in the area of speed, and also some changes to the underlying data structures for analysis objects.

This version also includes changes to the plotting tools to adapt to the changes to the graphics objects in recent MATLAB versions.

It is now possible to submit and retrieve MATLAB figures to/from an LTPDA repository, assuming the figures are created using LTPDA plotting tools (like `iplot`, `ao/plot`).

Spectral estimation methods now automatically drop the first N samples (defined by the window function) from the resulting estimates as these samples are biased. This can be deactivated in the plist. See `>> help ao/psd` for example.

LTPDA now supports data types other than double() in AOs, and some methods properly treat these data types.

## 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

- **ao/mod** An overload of the mod() function.
- **ao/window** A new method for windowing time-series data.
- **ao/dtfe** is a discrete transfer function estimation tool based on the DFT.
- **ao/nyquistplot** for making nyquist plots from fsdata AOs.
- **ao/flscov** performs iterative re-weighted least squares fitting.
- **ao/summaryReport** produces a tabular report of the input AO array. Currently only works for time-series AOs.
- **ao/psdvfit** vector fitting applied to spectra. It comes with a companion method **ao/validateSpectrumMod** for validating the fit.
- **ao/union** overloads the union operator for AOs.
- **timespan(ao)** a new constructor which creates a timespan object from a time-series AO.

## Changes to methods

- **ao/dft** has been improved to allow windowing and scaling of the measurements.
- **ao/interp** has a new method called 'auto' which selects the best choice of interpolation based on the data type.
- **ao/split** now supports automatically splitting a time-series according to any significant gaps in the data.
- **ao/resample** now supports different data types. For non-double types, we do nearest neighbour interpolation.

## **MANTIS Issues**

| <b>Id</b> | <b>Summary</b>                                                           | <b>Status</b> |
|-----------|--------------------------------------------------------------------------|---------------|
| 881       | Java error in provenance when not connected to network                   | resolved      |
| 880       | Would like summaryReport method for ao and collection classes            | resolved      |
| 879       | ltpda_uo/setDescription does not apply empty values                      | resolved      |
| 868       | ao/polyfit does not work as advertised                                   | resolved      |
| 867       | ao/diff seems to work with option 3point but not w/ 2point               | resolved      |
| 862       | logical operators should preserve data type                              | resolved      |
| 853       | Add retrieval by UUID to ltpda_uo/retrieve and retrieveFigure            | resolved      |
| 852       | Infrastructure to support alternative data types                         | resolved      |
| 851       | linfit and reference time                                                | resolved      |
| 850       | iplotty and iplotPSD do not support "figurenames" plist key              | resolved      |
| 849       | ao/setY should accept cdata ao                                           | resolved      |
| 846       | Search window does not work in online help                               | resolved      |
| 831       | New MATLAB handles underscores better in legends etc                     | resolved      |
| 828       | Error due to AO being too large ?                                        | resolved      |
| 827       | Method for converting between units, i.e., from 'm' to 'pm'              | resolved      |
| 820       | table method for timespans                                               | resolved      |
| 819       | isDataCompatible in ao.elementOp too strict                              | resolved      |
| 817       | time/plot method                                                         | resolved      |
| 808       | strjoin not supported Matlab pre 2013a                                   | resolved      |
| 804       | Conversion to doubles for matrix of tsdata or fsdata AOs                 | resolved      |
| 799       | isemptyunit method is needed                                             | resolved      |
| 797       | pzmodel/tomiir fails when called within method                           | resolved      |
| 796       | iplotty has no time in data tooltips                                     | resolved      |
| 793       | collection/removeObjectAtIndex method removes wrong object               | resolved      |
| 792       | Failure to recognize plist parameters in iplot of frequency-series array | resolved      |
| 788       | Requesting a 'setNames' method for colleciton objects                    | resolved      |
| 787       | Overload of mod() function for AOs                                       | resolved      |
| 778       | Bug in ao/toSI with prefixes                                             | resolved      |
| 777       | time string format                                                       | resolved      |
| 774       | Display of pest with large chains                                        | resolved      |
| 772       | Better composite plists                                                  | resolved      |
| 768       | iplot for collection and matrix objects                                  | resolved      |

|     |                                                               |           |
|-----|---------------------------------------------------------------|-----------|
| 764 | plist key warnings in utils.plottools consolidatePlot(gcf)    | resolved  |
| 763 | pest/table output is mismatched                               | resolved  |
| 717 | t0 after spike cleaning                                       | resolved  |
| 709 | ao/integrate should have other methods                        | resolved  |
| 624 | matrix cross product                                          | resolved  |
| 391 | Make loading of ao faster or make loading of history optional | resolved? |

## Detailed changes since v2.8

-----  
[2015-07-02 10:09:39 +0200][4b15309] Miquel Nofrarias  
Merge branch 'development' into MN/new\_optimal\_signals

-----  
[2015-07-01 19:21:10 +0200][d54d0f6] Ingo Diepholz  
Add new method which creates from the input arguments an error string which can be used in the constructor.

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

-----  
[2015-07-01 16:16:50 +0200][6a359bd] Nikos Karnesis  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2015-07-01 15:56:54 +0200][4daccc0] Nikos Karnesis  
Further fixing the history of the class. Add the rand stream at the finalise function, where the history is added to the algorithm objects.

```
m-toolbox/classes/@MCMC/MCMC.m | 1 +
m-toolbox/classes/@MCMC/buildplist.m | 1 +
m-toolbox/classes/@MCMC/mhsample.m | 2 ++
m-toolbox/classes/@ltpda_algorithm/ltpda_algorithm.m | 10 +-----
4 files changed, 5 insertions(+), 9 deletions(-)
```

-----  
[2015-07-01 15:55:55 +0200][03e4c4e] Nikos Karnesis  
Added the 'fromStruct' method for the algorithm class

```
m-toolbox/classes/@MCMC/fromStruct.m | 119 +++++
1 file changed, 119 insertions(+)
```

-----  
[2015-07-01 15:54:08 +0200][891ff6a] Martin Hewitson  
Remove dead code.

```
m-toolbox/classes/@plist/plist2cmds.m | 34 -----
1 file changed, 34 deletions(-)
```

-----  
[2015-07-01 15:27:44 +0200][73490a2] Martin Hewitson  
Merge branch 'development' into MRH/improveHistory

-----  
[2015-07-01 14:23:52 +0200][3e8cbff] Nikos Karnesis  
Changes in the class to allow saving to xml and committing to repositories

```
m-toolbox/classes/@MCMC/MCMC.m | 16 +-----
m-toolbox/classes/@ltpda_algorithm/ltpda_algorithm.m | 20 +-----
2 files changed, 25 insertions(+), 11 deletions(-)
```

-----  
[2015-07-01 14:22:56 +0200][de6ab14] Nikos Karnesis  
Bug fix: taking into account that the properties might be either doubles or aos

```
m-toolbox/classes/@MCMC/attachToDom.m | 8 +-----
m-toolbox/classes/@MCMC/fromDom.m | 8 +-----
2 files changed, 15 insertions(+), 1 deletion(-)
```

-----  
[2015-07-01 14:22:21 +0200][3ada97c] Nikos Karnesis  
Added a new build list file that handles 'sets'

```
m-toolbox/classes/@MCMC/buildplist.m | 103 +-----
1 file changed, 103 insertions(+)
```

-----  
[2015-07-01 14:21:32 +0200][b0923bf] Nikos Karnesis  
Removing old default plist file

m-toolbox/classes/@MCMC/getDefaultPlist.m | 92 -----  
1 file changed, 92 deletions(-)

-----  
[2015-07-01 12:13:02 +0200][989bf65] Nikos Karnesis  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2015-07-01 12:12:40 +0200][751e80b] Nikos Karnesis  
Bug fixes. Making the functions work for the case of multiple experiments

.../classes/@mfh/loglikelihood\_core\_noiseFit\_v1.m | 7 +--  
.../classes/@mfh/loglikelihood\_core\_student.m | 4 +--  
.../m/built\_in\_models/mfh/mfh\_model\_fft\_signals.m | 13 +++++--  
.../built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 40 ++++++++-----  
4 files changed, 40 insertions(+), 24 deletions(-)

-----  
[2015-07-01 09:11:03 +0200][d1ef1d5] Martin Hewitson  
Allow frequency vector to be specified as a string which will be evaluated internally. This makes for much smaller histories.

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

-----  
[2015-07-01 08:03:15 +0200][dc3ce49] Martin Hewitson  
Merge branch 'development' into MRH/improveHistory

-----  
[2015-07-01 07:50:23 +0200][1bb7817] Martin Hewitson  
Removing costly (and unnecessary?) messaging and remove some dead code.

m-toolbox/classes/@history/hist2m.m | 12 -----  
1 file changed, 12 deletions(-)

-----  
[2015-06-30 20:40:27 +0200][6dbd68d] Ingo Diepholz  
Update test

.../classes/tests/@ltpda\_uoh\_tests/test\_history\_empty\_constructor.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-06-30 20:37:47 +0200][0278c0f] Ingo Diepholz  
Bug fix: Only the isequal() method of LTPDA objects have two outputs -> Change condition

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

-----  
[2015-06-30 19:32:25 +0200][d108f98] Martin Hewitson  
Merge branch 'development' into MRH/improveHistory

-----  
[2015-06-30 18:05:03 +0200][4cdacca] Ingo Diepholz  
Bug fix: There was an issue with cell-arrays which contain history objects. We have to create a special case for these objects because we store the history-objects in an other section of the XML file. The new code uses the same code as we use for PARAM. That is the reason why I use 'val' for storing the UUID of the history-object.

m-toolbox/classes/+utils/@xml/attachCellToDom.m | 14 ++++++++  
1 file changed, 14 insertions(+)

-----  
[2015-06-30 12:06:40 +0200][62433fd] Martin Hewitson  
Bug fix: we had a variable name used twice for two different variables. Oops.

m-toolbox/classes/@pzmodel/fromLIS0.m | 18 ++++++-----  
1 file changed, 9 insertions(+), 9 deletions(-)

-----  
[2015-06-29 15:07:58 +0200][5378056] Nikos Karnesis  
Typo

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

-----  
[2015-06-28 05:42:39 +0200][764ca70] Martin Hewitson  
Bug fix: need to check against the absolute value here.

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

-----  
[2015-06-27 09:50:25 +0900][a905d8a] Martin Hewitson

Add an additional check on the size of the error bars because drawing vanishingly small patches doesn't work well.

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

-----  
[2015-06-27 09:13:58 +0900][e4f0464] Martin Hewitson  
Merge branch 'development' into MRH/improveHistory

-----  
[2015-06-27 09:12:51 +0900][967511b] Martin Hewitson  
Bug fix: there is an edge case where is dy=0 then the area error bars don't work well.

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

-----  
[2015-06-26 17:21:55 +0200][e0173dc] Luigi Ferraioli  
a test for ao/psdvfit

```
m-toolbox/test/test_ao_psdvfit.m | 71 +++++
1 file changed, 71 insertions(+)
```

-----  
[2015-06-26 16:47:45 +0200][482e82b] Luigi Ferraioli  
utils function for creating brownian noise I will use for testing ao/psdvfit

```
m-toolbox/classes/+utils/@math/math.m | 1 +
m-toolbox/classes/+utils/@math/randomWalkGen.m | 76 +++++
2 files changed, 77 insertions(+)
```

-----  
[2015-06-26 14:29:11 +0200][fe6172a] Nikos Karnesis  
Supporting saving to xml for the algorithm class

```
m-toolbox/classes/@MCMC/attachToDom.m | 114 +++++
m-toolbox/classes/@MCMC/fromDom.m | 101 +++++
.../classes/@ltpda_algorithm/ltpda_algorithm.m | 36 +---
3 files changed, 234 insertions(+), 17 deletions(-)
```

-----  
[2015-06-26 12:22:30 +0200][1e01824] Nikos Karnesis  
Updating the ltpda\_algorithm class to support saving and loading to files

```
.../classes/@ltpda_algorithm/ltpda_algorithm.m | 117 +++++
1 file changed, 106 insertions(+), 11 deletions(-)
```

-----  
[2015-06-26 12:21:56 +0200][a5602ed] Nikos Karnesis  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2015-06-26 11:57:48 +0200][8030591] Luigi Ferraioli  
added the parfrac fit object to the mfh model procinfo

```
m-toolbox/classes/@ao/psdvfit.m | 12 ++++++
1 file changed, 11 insertions(+), 1 deletion(-)
```

-----  
[2015-06-26 11:34:48 +0200][5755dcf] Nikos Karnesis  
History bug fix: Copy the data by using the dedicated function

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

-----  
[2015-06-26 10:29:37 +0200][7594196] Nikos Karnesis  
Further checking for empty inputs. Fixed history issue

```
m-toolbox/classes/@MCMC/MCMC.m | 1 +
m-toolbox/classes/@MCMC/calculateCovariance.m | 7 +-
m-toolbox/classes/@MCMC/checkDiffStep.m | 24 +++++
m-toolbox/classes/@MCMC/performDataChecks.m | 15 +---
m-toolbox/classes/@mfh/loglikelihood_ao_td.m | 74 +++++
5 files changed, 108 insertions(+), 13 deletions(-)
```

-----  
[2015-06-25 17:00:10 +0200][cf234df] Nikos Karnesis  
Creating a static factory plist for the likelihood functions

```
m-toolbox/classes/@MCMC/getDefaultPlist.m | 19 +-
m-toolbox/classes/@plist/plist.m | 95 +++++
.../built_in_models/mfh/mfh_model_loglikelihood.m | 416 +-----
3 files changed, 130 insertions(+), 400 deletions(-)
```

-----  
[2015-06-25 16:39:26 +0200][3b24059] Nikos Karnesis  
Performing more sensible checks on the inputs

```
m-toolbox/classes/@MCMC/performDataChecks.m | 42 +++++
1 file changed, 32 insertions(+), 10 deletions(-)
```

-----  
[2015-06-25 16:39:07 +0200][74b59a4] Nikos Karnesis  
Handling the history (forgot to commit these changes)

m-toolbox/classes/@MCMC/calculateCovariance.m | 22 +-----  
m-toolbox/classes/@MCMC/collectOutputA0s.m | 9 +-----  
2 files changed, 17 insertions(+), 14 deletions(-)

-----  
[2015-06-25 16:37:58 +0200][0661d78] Nikos Karnesis  
Avoiding warnings

m-toolbox/classes/@MCMC/buildLogLikelihood.m | 6 +-----  
m-toolbox/classes/@MCMC/handle\_data\_for\_icsm.m | 9 +-----  
2 files changed, 10 insertions(+), 5 deletions(-)

-----  
[2015-06-25 16:37:17 +0200][f1d42b9] Nikos Karnesis  
Fixing history issues again, for the case where the algorithm.process(ao\_data) case is used. Backwards compatibility with the ssm models

m-toolbox/classes/@MCMC/MCMC.m | 109 +-----  
.../classes/@ltpda\_algorithm/ltpda\_algorithm.m | 8 +-  
2 files changed, 8 insertions(+), 109 deletions(-)

-----  
[2015-06-25 16:35:19 +0200][8e3901d] Nikos Karnesis  
Moving main to a separate file

m-toolbox/classes/@MCMC/main.m | 122 +-----  
1 file changed, 122 insertions(+)

-----  
[2015-06-24 16:19:47 +0200][0b93a19] Nikos Karnesis  
Time domain likelihood cost function, for the simple white noise cases.

m-toolbox/classes/@mfh/loglikelihood\_core\_td.m | 74 +-----  
m-toolbox/classes/@mfh/mfh.m | 1 +  
.../built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 86 +-----  
3 files changed, 161 insertions(+)

-----  
[2015-06-24 08:03:55 +0900][cc9f9d3] Martin Hewitson  
Merge branch 'development' into MRH/improveHistory

-----  
[2015-06-23 16:04:28 +0200][6162558] Ingo Diepholz  
Minor change which make more clear how many nodes this methods want.

m-toolbox/classes/@ssm/ssm2dot.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-06-23 16:03:11 +0200][abc3f98] Ingo Diepholz  
Adapt to the simpler interface of hist2m.

m-toolbox/classes/@history/rebuild.m | 2 +-  
m-toolbox/classes/@ltpda\_uoh/report.m | 2 +-  
2 files changed, 2 insertions(+), 2 deletions(-)

-----  
[2015-06-23 14:28:26 +0200][846455b] Ingo Diepholz  
Improve the output.

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

-----  
[2015-06-23 14:28:06 +0200][8b65323] Ingo Diepholz  
Distinguish for a cell-array if the content is a ltpda\_obj or an other object.

m-toolbox/classes/@ltpda\_obj/isequalMain.m | 8 +-----  
1 file changed, 7 insertions(+), 1 deletion(-)

-----  
[2015-06-23 14:26:45 +0200][8c1f6c1] Ingo Diepholz  
Add a special case for checking cell arrays of strings.

m-toolbox/classes/@ltpda\_obj/isequalMain.m | 5 +-----  
1 file changed, 5 insertions(+)

-----  
[2015-06-23 11:50:09 +0200][26afd7b] Nikos Karnesis  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2015-06-23 11:49:59 +0200][4ecb631] Nikos Karnesis  
Adding information in the procinfo

m-toolbox/m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 3 +-  
1 file changed, 1 insertion(+), 2 deletions(-)

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

-----  
[2015-06-23 08:25:34 +0900][ac4f74d] Martin Hewitson  
Put this fix back. It was removed by accident.

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

-----  
[2015-06-22 18:50:21 +0200][87afd03] Ingo Diepholz  
Improve the display message.

m-toolbox/classes/@history/isequal.m | 74 ++++++-----  
1 file changed, 60 insertions(+), 14 deletions(-)

-----  
[2015-06-22 17:54:55 +0200][d6f8393] Ingo Diepholz  
Add an error to this function because they are completely wrong. The leap seconds changes over time and that means we have to check first which time we convert to get the correct leap second.

m-toolbox/classes/+utils/@timetools/gps2utc.m | 2 ++  
m-toolbox/classes/+utils/@timetools/utc2gps.m | 2 ++  
2 files changed, 4 insertions(+)

-----  
[2015-06-22 06:54:31 +0200][0c62c41] Mauro Hueller  
Set the yunits at a global level since they are common to all kinds of AOs

m-toolbox/classes/@ao/ao.m | 60 +++-----  
1 file changed, 4 insertions(+), 56 deletions(-)

-----  
[2015-06-21 16:09:28 +0900][e72ddce] Martin Hewitson  
Bug fix. This just modifies the plist.

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

-----  
[2015-06-21 15:43:52 +0900][95d2da7] Martin Hewitson  
Go recursive for plists in plists.

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

-----  
[2015-06-21 14:34:46 +0900][1ad50be] Martin Hewitson  
Adapt to the simpler interface of hist2m.

m-toolbox/classes/@ltpda\_uoh/type.m | 3 +-  
1 file changed, 1 insertion(+), 2 deletions(-)

-----  
[2015-06-21 14:34:14 +0900][563d2f2] Martin Hewitson  
remove expensive message calls.

m-toolbox/classes/@history/hist2m.m | 4 ----  
1 file changed, 4 deletions(-)

-----  
[2015-06-21 14:33:52 +0900][88a6948] Martin Hewitson  
Assume a simpler interface.

m-toolbox/classes/@history/hist2m.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-06-21 14:33:26 +0900][ec96374] Martin Hewitson  
Assume a simpler interface.

m-toolbox/classes/@history/hist2m.m | 8 +++++--  
1 file changed, 5 insertions(+), 3 deletions(-)

-----  
[2015-06-21 14:32:59 +0900][4a56661] Martin Hewitson  
remove expensive message calls.

m-toolbox/classes/@history/getNodes.m | 1 -  
1 file changed, 1 deletion(-)

-----  
[2015-06-21 14:32:25 +0900][e3c837b] Martin Hewitson  
Make plist2cmds hidden - it's not for users. And hence we can remove a lot of the expensive code inside it and assume the interface is more simple.

m-toolbox/classes/@plist/plist.m | 3 +-  
m-toolbox/classes/@plist/plist2cmds.m | 81 ++++++-----  
2 files changed, 43 insertions(+), 41 deletions(-)

[2015-06-21 14:00:24 +0900][67f5db7] Martin Hewitson  
Remove all these messages. They cost time, even when they are not displaying, and I don't think there are useful at this stage of the project.

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

-----  
[2015-06-21 10:56:56 +0900][0be4907] Martin Hewitson  
Bug fix: can't use a switch on the class, rather need to use isa().

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

-----  
[2015-06-21 10:56:23 +0900][37145a6] Martin Hewitson  
Fix typo in help text.

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

-----  
[2015-06-19 15:23:29 +0200][1226cbf] Ingo Diepholz  
Bug fix: Add only history if the input is not empty. By the way I don't like it that the ltpda\_algorithm class overloads the addHistory method.

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

-----  
[2015-06-19 13:45:28 +0200][c792993] Ingo Diepholz  
Add only history if the user provide a noise object.

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

-----  
[2015-06-19 13:05:32 +0200][794364d] Ingo Diepholz  
Bug fix: Found at least one small bug. There was a bug if the description of a parameter contains a single quote ('). In this case must we mask the quote.

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

-----  
[2015-06-19 08:13:58 +0900][33e180f] Martin Hewitson  
Refactor the plist preparation code into a method and add the processing of cell-arrays in the plist.

m-toolbox/classes/@ltpda\_uoh/addHistory.m | 20 ++-----  
m-toolbox/classes/@plist/plist.m | 38 ++++++  
2 files changed, 40 insertions(+), 18 deletions(-)

-----  
[2015-06-18 14:19:08 +0200][bb86171] Nikos Karnesis  
Keeping y-units if input values are aos or pest objects

m-toolbox/classes/@MCMC/mhsample.m | 4 +++-  
m-toolbox/classes/@MCMC/mhutils.m | 9 ++++++-  
m-toolbox/classes/@mfh/fminsearch.m | 4 +-  
3 files changed, 13 insertions(+), 4 deletions(-)

-----  
[2015-06-17 16:56:32 +0200][6e0ea23] Ingo Diepholz  
Add 'Parameters Description' link to the description.

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/paramCovMat.m | 4 +++-  
m-toolbox/classes/@mfh/testHessianMatrix.m | 2 ++  
5 files changed, 11 insertions(+), 1 deletion(-)

-----  
[2015-06-17 16:28:14 +0200][aa3b4a0] Nikos Karnesis  
Replacing functions requiring the statistics toolbox

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

-----  
[2015-06-17 15:54:37 +0200][af582d6] Nikos Karnesis  
Displaying the parameter values as well

m-toolbox/classes/@MCMC/calculateCovariance.m | 5 ++++-  
1 file changed, 4 insertions(+), 1 deletion(-)

-----  
[2015-06-17 15:30:14 +0200][0a84e40] Ingo Diepholz  
Use the input PLIST for the history step.

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

m-toolbox/classes/@mfh/getJacobian.m | 2 +-  
2 files changed, 2 insertions(+), 2 deletions(-)

-----  
[2015-06-17 15:08:11 +0200][828c263] Ingo Diepholz  
Use the input PLIST for the history.

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

-----  
[2015-06-17 15:07:55 +0200][569cef8] Ingo Diepholz  
Set the input PLIST to the history and set/get the random stream from the PLIST.

m-toolbox/classes/@mfh/testHessianMatrix.m | 9 ++++++--  
1 file changed, 7 insertions(+), 2 deletions(-)

-----  
[2015-06-17 14:32:15 +0200][8c05d13] Ingo Diepholz  
Bug fix: add an additional condition for the case that the default value is a cell-array and the user want to set an empty cell to the property.

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

-----  
[2015-06-17 11:25:54 +0200][4720c22] Luigi Ferraioli  
method update. making it usable from users, added a default plist

m-toolbox/classes/@mfh/testHessianMatrix.m | 96 ++++++-----  
1 file changed, 73 insertions(+), 23 deletions(-)

-----  
[2015-06-17 11:25:42 +0200][977f66b] Luigi Ferraioli  
help updated. removed a non used call

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

-----  
[2015-06-17 11:09:36 +0200][754ad8a] Luigi Ferraioli  
method update. making it usable from users, added a default plist

m-toolbox/classes/@mfh/getFitErrors.m | 96 ++++++-----  
1 file changed, 74 insertions(+), 22 deletions(-)

-----  
[2015-06-17 11:08:46 +0200][e5d4f6d] Luigi Ferraioli  
help updated. removed a non used call

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

-----  
[2015-06-17 10:57:41 +0200][dc7e035] Luigi Ferraioli  
removed an unnecessary second call to callerismethod

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

-----  
[2015-06-17 10:52:59 +0200][7c383b6] Luigi Ferraioli  
method update. making it usable from users, added a default plist

m-toolbox/classes/@mfh/getJacobian.m | 71 ++++++-----  
1 file changed, 55 insertions(+), 16 deletions(-)

-----  
[2015-06-17 10:52:14 +0200][3ab9abf] Luigi Ferraioli  
method update. making it usable from users, added a default plist

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

-----  
[2015-06-17 10:44:25 +0200][8d146ae] Luigi Ferraioli  
method update. making it usable from users, added a default plist

m-toolbox/classes/@mfh/getHessian.m | 65 ++++++-----  
1 file changed, 49 insertions(+), 16 deletions(-)

-----  
[2015-06-17 10:33:49 +0200][d4ebd98] Luigi Ferraioli  
method update. making it usable from users, added a default plist

m-toolbox/classes/@mfh/paramCovMat.m | 89 ++++++-----  
1 file changed, 73 insertions(+), 16 deletions(-)

-----  
[2015-06-17 10:25:49 +0200][05254ac] Miquel Nofrarias  
Merge branch 'development' into MN/new\_optimal\_signals

-----  
[2015-06-17 10:10:16 +0200][087313d] Miquel Nofrarias  
Merge branch 'development' into MN/new\_optimal\_signals

-----  
[2015-06-16 18:21:51 +0200][b5ddf49] Ingo Diepholz  
This is a trial to get rid of the structure field 'State' because this field contains always 625 numbers and this cost memory. Lets check what the unit test think about my changes.

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

-----  
[2015-06-16 13:57:53 +0200][0920344] Ingo Diepholz  
Bug fix: The constructor haven't handle the input arguments e.g.: '', 'Hz', 's'. Important was that the first input is empty and that we have more than 2 inputs. The constructor has ignored the first input because it was empty. Even if it wasn't empty worked the constructor by accident.

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

-----  
[2015-06-16 13:46:25 +0200][48bd1bd] Mauro Hueller  
Avoid the test to stop on the (expected) error. Clarified message.

m-toolbox/test/test\_plist\_subset.m | 4 +++  
1 file changed, 4 insertions(+)

-----  
[2015-06-16 13:45:03 +0200][f8da274] Mauro Hueller  
Fixed typo in the documentation

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

-----  
[2015-06-16 13:28:32 +0200][9f3c360] Mauro Hueller  
Harmonized code and behavior with ltpda\_uo/update

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

-----  
[2015-06-16 12:42:34 +0200][f8c5bab] Luigi Ferraioli  
Merge branch 'development' into LF/psd\_fit

-----  
[2015-06-16 12:33:35 +0200][1f5fd33] Luigi Ferraioli  
cleanup and update

m-toolbox/classes/+utils/@math/psdvectorfit.m | 278 ++-----  
.../classes/+utils/@math/regularizePSDForFit.m | 2 +  
m-toolbox/classes/@ao/psdsvfit.m | 8 +-  
m-toolbox/classes/@ao/validateSpectrumMod.m | 6 +-  
4 files changed, 29 insertions(+), 265 deletions(-)

-----  
[2015-06-15 17:57:51 +0200][53dfd1f] Martin Hewitson  
Properly stop the error patches appearing in the legend.

m-toolbox/classes/@ao/iplot.m | 14 +++++-----  
1 file changed, 13 insertions(+), 1 deletion(-)

-----  
[2015-06-15 17:57:25 +0200][7a441b4] Martin Hewitson  
We don't use these edges in LTPDA, so remove them here to avoid setting their color to 'none' in iplot because doing that means extra elements appear in the legend, and it's hard to distinguish them from the real data lines.

m-toolbox/m/etc/shadedErrorBar/shadedErrorBar.m | 6 +++--  
1 file changed, 3 insertions(+), 3 deletions(-)

-----  
[2015-06-15 16:57:58 +0200][5ee5a26] Luigi Ferraioli  
methods updated

.../classes/+utils/@math/regularizePSDForFit.m | 35 +++++-----  
m-toolbox/classes/@ao/psdsvfit.m | 6 +-  
m-toolbox/classes/@ao/validateSpectrumMod.m | 5 +-  
3 files changed, 29 insertions(+), 17 deletions(-)

-----  
[2015-06-15 16:18:12 +0200][5b4089e] Ingo Diepholz  
Remove the AO method fdfilt\_delay\_core because we have two of them. One in the ao class and another one in utils.math. I have greped all m-files for that function and it is only used in ao/delay and this method uses the utils.math version. According to Ira is that the most up to date version.

m-toolbox/classes/@ao/fdfilt\_delay\_core.m | 150 -----  
1 file changed, 150 deletions(-)

[2015-06-15 15:55:51 +0200][f2466f5] Ingo Diepholz  
Make the method fromA0s() protected.

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

-----  
[2015-06-15 15:49:07 +0200][2d6e2f1] Ingo Diepholz  
preserves data shape of the output A0

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

-----  
[2015-06-15 14:23:46 +0200][aefb35b] Ingo Diepholz  
Bug fix: The classes 'minfo' and 'history' have their own isequal() method. Use direct this method instead of using the general method ltpda\_obj/isequalMain.

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

-----  
[2015-06-15 14:21:20 +0200][9599d5c] Ingo Diepholz  
Since we support MATLAB version 2012b and newer can we use isequaln() instead of isequalwithequalnans()

m-toolbox/classes/@ao/complex.m | 2 +-  
m-toolbox/classes/@ltpda\_obj/isequalMain.m | 2 +-  
2 files changed, 2 insertions(+), 2 deletions(-)

-----  
[2015-06-15 13:05:19 +0200][ef0b843] Luigi Ferraioli  
bug fixed. the shape of the data was changing

m-toolbox/classes/+utils/@math/downsampleSpectrum.m | 8 +++++--  
1 file changed, 5 insertions(+), 3 deletions(-)

-----  
[2015-06-15 12:49:56 +0200][b06f7a6] Luigi Ferraioli  
introduced the possibility to regularize data in order to cope with data non gaussianity

m-toolbox/classes/@ao/polyfitSpectrum.m | 12 ++++++++  
1 file changed, 12 insertions(+)

-----  
[2015-06-15 12:38:59 +0200][18beaaa] Luigi Ferraioli  
methods updated

m-toolbox/classes/@ao/psdsvfit.m | 33 -----  
m-toolbox/classes/@ao/validateSpectrumMod.m | 41 +++++  
2 files changed, 41 insertions(+), 33 deletions(-)

-----  
[2015-06-15 10:34:13 +0200][859a311] Luigi Ferraioli  
better definition of hist size

m-toolbox/classes/+utils/@math/regularizePSDForFit.m | 7 +++++-  
1 file changed, 6 insertions(+), 1 deletion(-)

-----  
[2015-06-15 10:31:08 +0200][39347b4] Luigi Ferraioli  
utils method to regularize psd for least squares fitting

m-toolbox/classes/+utils/@math/math.m | 1 +  
.../classes/+utils/@math/regularizePSDForFit.m | 45 +++++  
2 files changed, 46 insertions(+)

-----  
[2015-06-13 07:03:24 +0200][8b86717] Martin Hewitson  
support passing an array of timespan objects directly without a plist.

m-toolbox/classes/@ao/split.m | 16 ++++++-----  
1 file changed, 12 insertions(+), 4 deletions(-)

-----  
[2015-06-13 06:46:39 +0200][73be8c8] Martin Hewitson  
Give a sensible error message in case no timespans are created (for example if no time-series A0s are passed in).

m-toolbox/classes/@timespan/fromA0s.m | 4 +++  
1 file changed, 4 insertions(+)

-----  
[2015-06-13 06:46:05 +0200][22aed14] Martin Hewitson  
cellphone doesn't do a good job if the cell is empty. Also, we can pass 'rest' here since we already used collect\_objects above.

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

-----  
[2015-06-12 18:59:48 +0200][af165b1] Ingo Diepholz  
Set the name of the A0 to the timespan object. This is maybe useful if the user pass in multiple A0s.

```

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

-----
[2015-06-12 18:58:31 +0200][5b1aff1] Ingo Diepholz
Add new constructor to description

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

-----
[2015-06-12 18:57:31 +0200][b41a004] Ingo Diepholz
Add new constructor which creates an timespan object from each input A0.

m-toolbox/classes/@timespan/fromA0s.m | 32 ++++++
m-toolbox/classes/@timespan/timespan.m | 28 ++++++-----
2 files changed, 56 insertions(+), 4 deletions(-)

-----
[2015-06-12 18:56:26 +0200][ca8bfd8] Ingo Diepholz
Add helper method which returns all supported numeric data types. This method can be used for defining the
supported numeric data types. see getInfo()

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

-----
[2015-06-12 17:20:19 +0200][5707375] Luigi Ferraioli
updates and filling in the description field

m-toolbox/classes/@ao/kstest.m | 4 ++++
m-toolbox/classes/@ao/validateSpectrumMod.m | 16 ++++++-----
2 files changed, 17 insertions(+), 3 deletions(-)

-----
[2015-06-12 09:51:22 -0400][575025a] Ira Thorpe
overload union operator for A0s

m-toolbox/classes/@ao/union.m | 163 ++++++
1 file changed, 163 insertions(+)

-----
[2015-06-12 15:46:14 +0200][5824c82] Luigi Ferraioli
method for validating a model for the expected value of the spectrum

m-toolbox/classes/@ao/validateSpectrumMod.m | 209 ++++++
1 file changed, 209 insertions(+)

-----
[2015-06-12 14:35:28 +0200][aa26e6c] Luigi Ferraioli
utils for downsampling the spectrum and updated psdvfit

m-toolbox/classes/+utils/@math/downsampleSpectrum.m | 13 ++++++
m-toolbox/classes/+utils/@math/math.m | 1 +
m-toolbox/classes/@ao/psdvfit.m | 19 ++++-----
3 files changed, 18 insertions(+), 15 deletions(-)

-----
[2015-06-12 13:38:39 +0200][cdd6be1] Martin Hewitson
Bug fix: the end time was not correctly calculated for the case of toffset nonzero. Hopefully this is correct now.

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

-----
[2015-06-12 13:37:44 +0200][59148cc] Nikos Karnesis
Cosmetics and added default value to plist key

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

-----
[2015-06-12 13:21:50 +0200][f2e85b7] Martin Hewitson
Use applyDefaults rather than parse. We must really use apply defaults, and it would be possible to follow that up
with a call to parse() but I don't think that we need that.

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

-----
[2015-06-12 13:04:37 +0200][208894e] Martin Hewitson
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

-----
[2015-06-12 13:04:29 +0200][612bedd] Martin Hewitson
Allow the user to pass of a cell-array of logicals to control the display of errors via 'autoerrors'.

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

```

-----  
[2015-06-12 12:39:25 +0200][d0ac18c] Luigi Ferraioli  
added mfh models for the confidence bands

m-toolbox/classes/@ao/psdvfit.m | 152 ++++++-----  
1 file changed, 64 insertions(+), 88 deletions(-)

-----  
[2015-06-12 11:28:51 +0200][8df76c8] Nikos Karnesis  
More sensible plotting during the runs

m-toolbox/classes/@MCMC/mhsample.m | 74 ++++++-----  
m-toolbox/classes/@pest/mcmcPlot.m | 54 +-  
2 files changed, 37 insertions(+), 91 deletions(-)

-----  
[2015-06-12 11:28:27 +0200][237adfb] Nikos Karnesis  
Utils method to avoid duplicating code for plotting

m-toolbox/classes/+utils/@helper/helper.m | 1 +  
m-toolbox/classes/+utils/@helper/plotTraces.m | 66 ++++++  
2 files changed, 67 insertions(+)

-----  
[2015-06-12 11:16:48 +0200][5fea9c6] Luigi Ferraioli  
utils function to get the cdf of a gamma distribution

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

-----  
[2015-06-12 11:04:39 +0200][84fdd36] Luigi Ferraioli  
new methods to do the fit of the psd with vector fitting, checking the fit, regularizing data and refit to provide  
a statistically consistent model of the psd expected value

m-toolbox/classes/+utils/@math/gammapdf.m | 29 ++  
m-toolbox/classes/+utils/@math/math.m | 2 +  
m-toolbox/classes/+utils/@math/psdvectorfit.m | 552 ++++++  
m-toolbox/classes/@ao/psdvfit.m | 465 ++++++  
4 files changed, 1048 insertions(+)

-----  
[2015-06-11 17:56:48 +0200][8408510] Nikos Karnesis  
More precise info raining on screen

m-toolbox/classes/@MCMC/mhsample.m | 65 ++++++-----  
1 file changed, 52 insertions(+), 13 deletions(-)

-----  
[2015-06-11 14:46:07 +0200][c5b851d] Martin Hewitson  
Bug fix: getDefaultPlist needs to be able to accept a set, even if it doesn't need one.

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

-----  
[2015-06-11 13:44:50 +0200][364c87e] Martin Hewitson  
Explicitly check for, and support, particular data types.

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

-----  
[2015-06-11 13:44:22 +0200][62dbbcd] Martin Hewitson  
Improve the error message.

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

-----  
[2015-06-11 13:01:13 +0200][f4dcaac] Ingo Diepholz  
Bug fix: Because of the last changes have I forgotten to check also the 'inhists' property.

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

-----  
[2015-06-11 11:03:37 +0200][20fc570] Martin Hewitson  
Bug fix: brackets make all the difference.

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

-----  
[2015-06-11 07:13:24 +0200][e88a09d] Martin Hewitson  
First attempt at supporting non-double data types in resample. We do nearest neighbour interpolation for those  
cases.

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

-----  
[2015-06-11 05:56:02 +0200][aad86ba] Martin Hewitson  
Rephrase the message so that it's always grammatically correct regardless of the number of objects.

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

-----  
[2015-06-10 20:17:49 +0200][b20783e] Ingo Diepholz  
Make loglikelihood\_core\_student hidden.

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

-----  
[2015-06-10 19:17:59 +0200][3b38c14] Martin Hewitson  
A proof of principle plotting errorbars as a shaded area. So far only works for spectra (real(fsdata)) but should be easily extendible for other plots, but some refactoring is needed to remain sane.

m-toolbox/classes/@ao/iplot.m | 54 +-----  
m-toolbox/m/etc/shadedErrorBar/license.txt | 24 +++  
m-toolbox/m/etc/shadedErrorBar/shadedErrorBar.m | 163 +-----  
3 files changed, 228 insertions(+), 13 deletions(-)

-----  
[2015-06-10 18:54:58 +0200][02529d8] Martin Hewitson  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2015-06-10 18:54:27 +0200][2fb99d4] Martin Hewitson  
Add a try-catch to the getting/setting of the IP and hostname for the cases where one has no internet connection. To be discussed.

m-toolbox/classes/@provenance/provenance.m | 21 +-----  
1 file changed, 19 insertions(+), 2 deletions(-)

-----  
[2015-06-10 18:50:04 +0200][ef5513d] Ingo Diepholz  
Big big bug fix: It is NOT possible to use history/getNodes() for comparing the history. The issue is that getNodes sorts the nodes by time. For rebuilding a history step does it not matter in which order the input objects are build the only important thing is that they are rebuild before the history step. Here an example: a1 = ao(1) b1 = ao(2) c1 = a1+b1 [~, ~, n1] = c1.hist.getNodes The node order is: plus, b, a

m-toolbox/classes/@history/isequal.m | 33 +-----  
1 file changed, 6 insertions(+), 27 deletions(-)

-----  
[2015-06-10 13:40:32 +0200][c0e4875] Martin Hewitson  
Reinstate this commented out code because we must sort the history nodes by proctime.

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

-----  
[2015-06-09 16:15:08 +0200][1f606e9] Ingo Diepholz  
Just a try

src/MPipeline2/nbproject/build-impl.xml | 1381 +-----  
src/MPipeline2/nbproject/genfiles.properties | 8 +  
src/MPipeline2/nbproject/private/config.properties | 0  
.../nbproject/private/private.properties | 6 +  
src/MPipeline2/nbproject/private/private.xml | 5 +  
src/MPipeline2/nbproject/project.properties | 87 ++  
src/MPipeline2/nbproject/project.xml | 13 +  
7 files changed, 1500 insertions(+)

-----  
[2015-06-09 15:58:56 +0200][3cb08aa] Nikos Karnesis  
Merge branch 'development' into NK/param\_est\_pipeline\_update

-----  
[2015-06-09 15:49:37 +0200][49dcb66] Ingo Diepholz  
Add a script how files can be transferred from one repository to another repository without loosing the history.

m-toolbox/moveDirToNewRepo | 46 +-----  
1 file changed, 46 insertions(+)

-----  
[2015-06-09 14:49:55 +0200][87262ac] Ingo Diepholz  
Save the preferences to disk after a changing them.

m-toolbox/classes/@LTPDAprefs/setPreference.m | 5 +-----  
1 file changed, 4 insertions(+), 1 deletion(-)

-----  
[2015-06-09 09:56:52 +0200][5daab70] Mauro Hueller  
Typo

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

```

-----
[2015-06-08 20:41:02 +0200][9e0f591] Martin Hewitson
Code hardening. Allow for the style to be empty.

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

-----
[2015-06-08 14:47:42 +0200][8a0339e] Ingo Diepholz
Add static method: extensionPaths

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

-----
[2015-06-08 14:47:20 +0200][0e3bd70] Ingo Diepholz
Support also cell of strings for adding/removing extension modules.

m-toolbox/classes/@LTPDAprefs/setPreference.m | 32 ++++++-----
1 file changed, 20 insertions(+), 12 deletions(-)

-----
[2015-06-08 14:28:54 +0200][f58fef2] Ingo Diepholz
Update help description.

m-toolbox/classes/@LTPDAprefs/LTPDAprefs.m | 34 ++++++-----
1 file changed, 22 insertions(+), 12 deletions(-)

-----
[2015-06-08 14:17:41 +0200][32041f1] Ingo Diepholz
Add a possibility to add/remove a extension path with the command line.

m-toolbox/classes/@LTPDAprefs/setPreference.m | 23 ++++++-----
1 file changed, 23 insertions(+)

-----
[2015-06-08 13:47:27 +0200][61303db] Ingo Diepholz
Add a possibility to set the 'key action' with the command line.

m-toolbox/classes/@LTPDAprefs/setPreference.m | 14 ++++++-----
1 file changed, 14 insertions(+)

-----
[2015-06-08 13:32:39 +0200][98f6e8d] Ingo Diepholz
Change the GUI in such way so that it shows a icon on the taskbar.

m-toolbox/classes/@LTPDAprefs/LTPDAprefs.m | 18 ++++++-----
1 file changed, 9 insertions(+), 9 deletions(-)

-----
[2015-06-08 13:18:51 +0200][56ed134] Martin Hewitson
Code hardening: ensure we have a style for the plotinfo as well.

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

-----
[2015-06-07 14:11:36 +0200][d196443] Nikos Karnesis
plist key change and allowing for one amplitude

m-toolbox/classes/@pest/mcmcPlot.m | 2 +-
m-toolbox/m/built_in_models/mfh/mfh_model_fft_signals.m | 2 +-
m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 14 ++++++-----
3 files changed, 13 insertions(+), 5 deletions(-)

-----
[2015-06-04 16:55:47 +0200][dfd1ec4] Nikos Karnesis
Adapting ao/crb to recent changes

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

-----
[2015-06-04 16:55:24 +0200][84ecb93] Nikos Karnesis
Cosmetics and small fixes

m-toolbox/classes/@MCMC/buildLogLikelihood.m | 2 +-
m-toolbox/classes/@MCMC/getDefaultPlist.m | 2 +-
m-toolbox/classes/@MCMC/setNoise.m | 5 +----
3 files changed, 5 insertions(+), 4 deletions(-)

-----
[2015-06-04 16:55:00 +0200][496905e] Nikos Karnesis
The aforementioned getter functions

m-toolbox/classes/@MCMC/getLikelihood.m | 60 ++++++-----
m-toolbox/classes/@MCMC/getPest.m | 60 ++++++-----
2 files changed, 120 insertions(+)

```

```

[2015-06-04 16:54:39 +0200][94ff686] Nikos Karnesis
Fixing the algorithm class history issues. Now the class returns always an algorithm object, and in order to get
the pest objects we use getter functions

m-toolbox/classes/@MCMC/MCMC.m | 34 ++++++-----
.../classes/@ltpda_algorithm/ltpda_algorithm.m | 12 +-----
2 files changed, 26 insertions(+), 20 deletions(-)

-----

[2015-06-03 21:29:31 -0400][1d0f1d6] Ira Thorpe
simplifyYunits method for pest objects

m-toolbox/classes/@pest/simplifyYunits.m | 119 ++++++-----
1 file changed, 119 insertions(+)

-----

[2015-06-03 18:03:00 +0200][8108297] Nikos Karnesis
Merge branch 'development' into NK/param_est_pipeline_update

-----

[2015-06-03 15:58:21 +0200][ab828e4] Nikos Karnesis
Cosmetics

m-toolbox/classes/@pest/mcmcPlot.m | 19 ++++++-----
1 file changed, 9 insertions(+), 10 deletions(-)

-----

[2015-06-03 12:34:37 +0200][833121c] Nikos Karnesis
Added plist key to allow plotting the "true" values if available. Also using the python triangle plot (again if
available)

m-toolbox/classes/@pest/mcmcPlot.m | 72 ++++++-----
1 file changed, 70 insertions(+), 2 deletions(-)

-----

[2015-06-03 11:40:08 +0200][a2171fb] Martin Hewitson
I don't think we ever want to skip setting the units, even if callerIsMethod. But we may need to discuss this
because of performance issues.

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

-----

[2015-06-03 11:39:35 +0200][5179c88] Martin Hewitson
Throw a sensible error in the case that there is no one-to-one match of the user key and the default key.

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

-----

[2015-06-03 11:39:01 +0200][a8b8409] Martin Hewitson
Build the LPSD plist from a copy of the PSD plist so that the same keys are shared.

m-toolbox/classes/@plist/plist.m | 44 +++-----
1 file changed, 3 insertions(+), 41 deletions(-)

-----

[2015-06-03 11:38:32 +0200][81770db] Martin Hewitson
Bug fix: make sure pass only the plist to applyDefaults.

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

-----

[2015-06-02 12:28:49 +0200][53e9e9c] Ingo Diepholz
Bug fix: Since that LTPDATElemetry is derived from ltpda_uo-class is it necessary to define the created time not
only for PLISTs even for other objects without history.

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

-----

[2015-06-01 16:04:51 +0200][0bbfb51] Ingo Diepholz
Use in the configPlist a parameter which is already in the model template.

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

-----

[2015-06-01 16:04:19 +0200][8a222fb] Ingo Diepholz
Modify method for the case that the class for the model is new for the unit tests.

.../classes/+utils/@models/makeBuiltInModel.m | 46 ++++++-----
.../+utils/@models/template_class_TestCaseModel.m | 20 ++++++
2 files changed, 56 insertions(+), 10 deletions(-)

-----

[2015-06-01 13:53:58 +0200][4c6105b] Ingo Diepholz
Rename template files.

.../+utils/@models/built_in_model_template.m | 134 -----

```

```

.../@models/built_in_model_unittest_template.m | 23 ----
.../classes/Utils/@models/makeBuiltInModel.m | 8 +-
.../+utils/@models/template_built_in_model.m | 134 ++++++
.../@models/template_built_in_model_unittest.m | 23 +++
5 files changed, 160 insertions(+), 162 deletions(-)

```

-----  
[2015-05-29 12:13:59 +0200][4efa6c9] Nikos Karnesis  
Avoiding warnings and cosmetics

```

m-toolbox/classes/@MCMC/computeICSMatrix.m | 22 ++++++-----
m-toolbox/classes/@mfh/fisher.m | 12 +-----
.../built_in_models/mfh/mfh_model_loglikelihood.m | 2 +-
3 files changed, 16 insertions(+), 20 deletions(-)

```

-----  
[2015-05-29 07:35:30 +0200][91aca3d] Martin Hewitson  
Some cleaning up.

```

m-toolbox/classes/@collection/summaryReport.m | 148 -----
1 file changed, 148 deletions(-)

```

-----  
[2015-05-29 07:34:05 +0200][76222af] Martin Hewitson  
A wrapper around ao/summaryReport for collections.

```

m-toolbox/classes/@collection/summaryReport.m | 251 ++++++
1 file changed, 251 insertions(+)

```

-----  
[2015-05-29 07:32:06 +0200][fc27b34] Martin Hewitson

First draft of a summary reporting tool similar to the one that we have been using in pipeline driver scripts. But here we don't need to have the files on disk. Currently only works with time-series AOs, but is set up to have other data types added if needed.

```

m-toolbox/classes/@ao/summaryReport.m | 262 ++++++
1 file changed, 262 insertions(+)

```

-----  
[2015-05-28 12:07:31 +0200][41ca419] Nikos Karnesis

Bug fix to modifyTimeStep for SSMs. Without control toolbox 'method' was empty causing a crash two lines below

```

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

```

-----  
[2015-05-26 23:16:31 +0200][6d6d2c6] Nikos Karnesis

Merge branch 'development' into NK/param\_est\_pipeline\_update

-----  
[2015-05-26 23:16:15 +0200][bc18a03] Nikos Karnesis

Reverting back to previous commit. It was correct before

```

m-toolbox/classes/@MCMC/mhsample.m | 6 +----
m-toolbox/m/built_in_models/mfh/mfh_model_fft_signals.m | 6 +----
2 files changed, 6 insertions(+), 6 deletions(-)

```

-----  
[2015-05-26 15:38:45 +0200][3cfdcc1] Nikos Karnesis

Plot the normalised histogram

```

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

```

-----  
[2015-05-26 15:35:34 +0200][54aacb6] Nikos Karnesis

Bug fix, due to recent changes

```

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

```

-----  
[2015-05-26 15:34:22 +0200][a479135] Nikos Karnesis

Forgotten constant there added

```

m-toolbox/m/built_in_models/mfh/mfh_model_fft_signals.m | 13 ++++++-----
1 file changed, 9 insertions(+), 4 deletions(-)

```

-----  
[2015-05-26 09:32:22 +0200][efe83b5] Ingo Diepholz

We add on 25.03.2011 a condition to ignore empty inputs with the following commit message: Bug fix: setting an empty description shouldn't cause a problem. Anyway, I think we plan to remove these rules and only apply rules in the public setter methods. But this condition cause to empty the 'description' with an empty string. I think we add this condition so that an empty double for setting the 'description' doesn't break the code. But for me is an empty double a wrong input for a description and should fail. As it does now.

```

m-toolbox/classes/@ltpda_uo/ltpda_uo.m | 3 ---
1 file changed, 3 deletions(-)

```

-----  
[2015-05-25 18:54:23 +0200][64fcdca] Mauro Hueller

Help fixed

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

---

[2015-05-21 13:35:28 +0200][f111641] Ingo Diepholz  
Make sure that the default PLIST gets the parameter from the 'frequency-series plot'

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

---

[2015-05-21 11:54:28 +0200][0587abb] Ingo Diepholz  
Bug fix: getDefaultPlist() was broken. After consulting with Martin set I the default window to the window in the preferences.

```
m-toolbox/classes/@ao/dtfe.m | 9 +-----  
1 file changed, 2 insertions(+), 7 deletions(-)
```

---

[2015-05-20 15:44:42 +0200][7898ec8] Ingo Diepholz  
Bug fix: Set the origin of the parameter 'interpolation' to fixfs

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

---

[2015-05-20 15:02:48 +0200][1fe580c] Ingo Diepholz  
Put the 'truncate' key into the combine command as all the other keys of the default PLIST.

```
m-toolbox/classes/@ao/consolidate.m | 6 +-----  
1 file changed, 1 insertion(+), 5 deletions(-)
```

---

[2015-05-20 15:01:34 +0200][f13df57] Ingo Diepholz  
Make the \*core\* method hidden

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

---

[2015-05-20 14:10:31 +0200][497d736] Ingo Diepholz  
Set the access of 'genericSet' to protected.

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

---

[2015-05-20 14:10:01 +0200][4ea2da6] Ingo Diepholz  
Make the \*core\* methods hidden

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

---

[2015-05-20 11:39:04 +0200][75f0f6a] Nikos Karnesis  
Add 'logical' here also, the 'boolean' function requires simulink

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

---

[2015-05-20 11:33:14 +0200][15605fd] Ingo Diepholz  
Bug fix: Roll back to the old getInfo() part because the persistent minfo-object makes some issues.

```
m-toolbox/classes/@ao/psd.m | 25 ++++++-----  
1 file changed, 8 insertions(+), 17 deletions(-)
```

---

[2015-05-20 11:32:41 +0200][dc274aa] Nikos Karnesis  
Merge branch 'development' into NK/param\_est\_pipeline\_update

---

[2015-05-20 11:32:11 +0200][fe2304a] Nikos Karnesis  
Forgot to commit this file

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

---

[2015-05-20 10:53:06 +0200][fe28c18] Nikos Karnesis  
Added another plist key to scale the covariance matrix

```
m-toolbox/classes/@MCMC/mhsample.m | 4 ++++  
m-toolbox/classes/@MCMC/mhutils.m | 5 +++++  
2 files changed, 9 insertions(+)
```

---

[2015-05-20 10:52:48 +0200][a6dc461] Nikos Karnesis  
Maybe 'logical' is more suitable here

```

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

-----
[2015-05-20 10:41:17 +0200][a61ae10] Ingo Diepholz
Bug fix: I have forgotten to set 'sets' and 'plists' to an empty field for 'none' as an input argument.

m-toolbox/classes/@ao/psd.m | 5 +++-
1 file changed, 4 insertions(+), 1 deletion(-)

-----
[2015-05-20 10:40:11 +0200][dc98d46] Ingo Diepholz
Bug fix: It must be possible to set the 'plists' property to an empty array.

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

-----
[2015-05-20 10:21:33 +0200][5d8e727] Nikos Karnesis
Merge branch 'development' into NK/param_est_pipeline_update

-----
[2015-05-20 10:21:12 +0200][9115b1b] Nikos Karnesis
Bug fix: making the ge, le, lt operators to work on array of time objects

m-toolbox/classes/@time/ge.m | 4 +---
m-toolbox/classes/@time/gt.m | 4 +---
m-toolbox/classes/@time/le.m | 4 +---
m-toolbox/classes/@time/lt.m | 4 +---
4 files changed, 8 insertions(+), 8 deletions(-)

-----
[2015-05-20 09:06:42 +0200][83f8e0c] Mauro Hueller
Revert "Make sure we cast to double since the utc_epoch_milli is now an integer"

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

-----
[2015-05-20 09:05:35 +0200][0a2249c] Mauro Hueller
Revert "Make sure we cast the result to double."

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

-----
[2015-05-20 09:03:05 +0200][b7b3cda] Mauro Hueller
Use time/min and access utc_epoch_milli to avoid dividing by 1000 to re-multiply by 1000

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

-----
[2015-05-20 08:59:29 +0200][81b5e42] Mauro Hueller
Make sure we cast to double since the utc_epoch_milli is now an integer

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

-----
[2015-05-20 08:54:02 +0200][1ad7477] Mauro Hueller
Cosmetics

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

-----
[2015-05-20 07:03:53 +0200][b8e707e] Mauro Hueller
Make sure we cast the result to double.

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

-----
[2015-05-19 18:09:32 +0200][646c267] Nikos Karnesis
Merge branch 'development' into NK/param_est_pipeline_update

-----
[2015-05-19 18:09:18 +0200][0f40930] Nikos Karnesis
Keeping the posterior calculation as well

m-toolbox/classes/@MCMC/decision.m | 10 ++++++---
m-toolbox/classes/@MCMC/logDecision.m | 10 ++++++---
m-toolbox/classes/@MCMC/mhsample.m | 28 ++++++-----
m-toolbox/classes/@MCMC/processChain.m | 7 +----
m-toolbox/classes/@ao/flscov.m | 2 +-
m-toolbox/classes/@pest/mcmcPlot.m | 36 ++++++-----
6 files changed, 56 insertions(+), 37 deletions(-)

-----

```

[2015-05-19 18:08:49 +0200][c00d58f] Nikos Karnesis  
Plotting a more sensible figure

m-toolbox/classes/+utils/@math/getCorr.m | 39 ++++++-----  
1 file changed, 32 insertions(+), 7 deletions(-)

[2015-05-19 18:08:29 +0200][33d462b] Nikos Karnesis  
Typo fix: dimension of matrix was displayed wrong

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

[2015-05-18 18:04:13 +0200][0351d28] Mauro Hueller  
Help updated with examples of the support of DOY

m-toolbox/classes/@time/time.m | 5 +++-  
1 file changed, 4 insertions(+), 1 deletion(-)

[2015-05-18 16:03:59 +0200][2a069c2] Martin Hewitson  
New convenience constructor to create a time object from the DOY. I don't think we had this anywhere else...

m-toolbox/classes/@time/time.m | 23 ++++++  
1 file changed, 23 insertions(+)

[2015-05-18 11:33:21 +0200][fa22f2c] Ingo Diepholz  
Small modifications for the case that the user uses a UUID to retrieve the figure.

m-toolbox/classes/+utils/@plottools/addRepositoryPatch.m | 11 ++++++-  
1 file changed, 10 insertions(+), 1 deletion(-)

[2015-05-18 11:32:43 +0200][769c83f] Ingo Diepholz  
Apply the REPOSITORY factory plist to the input PLIST to get the alias key names.

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

[2015-05-18 11:31:20 +0200][294552c] Ingo Diepholz  
Improve the method in such way that it is possible to retrieve objects with a UUID instead of an ID.

m-toolbox/classes/@ltpda\_uo/fromRepository.m | 19 ++++++-----  
1 file changed, 17 insertions(+), 2 deletions(-)

[2015-05-18 11:29:59 +0200][3dd3b46] Ingo Diepholz  
Add the field 'UUID' to the repository factory to get object with a UUID instead of an ID

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

[2015-05-13 09:10:19 +0200][88536cf] Mauro Hueller  
Removed the try/catch since it was breaking the logic of the MySQL transaction. We want to keep the record as it used to be (both for submission and update).

m-toolbox/classes/@ltpda\_uo/submit.m | 4 ----  
m-toolbox/classes/@ltpda\_uo/update.m | 4 ----  
2 files changed, 8 deletions(-)

[2015-05-13 09:06:09 +0200][a36b916] Mauro Hueller  
Stop writing the transaction table when retrieving objects.

m-toolbox/classes/@ltpda\_uo/retrieve.m | 5 ----  
1 file changed, 5 deletions(-)

[2015-05-13 08:55:42 +0200][2131d10] Mauro Hueller  
Rolling back this commit as discussed

m-toolbox/classes/@ltpda\_uo/retrieve.m | 4 ----  
1 file changed, 4 deletions(-)

[2015-05-12 15:22:33 -0400][5b188a3] Ira Thorpe  
added option to scale output of ao/cumsum to match an integration

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

[2015-05-12 13:10:21 +0200][442803c] Mauro Hueller  
Protecting with try/catch the step where we write into the transactions table, so to prepare for a situation where it is not allowed.

m-toolbox/classes/@ltpda\_uo/retrieve.m | 4 ++++

```

m-toolbox/classes/@ltpda_uo/submit.m | 4 ++++
m-toolbox/classes/@ltpda_uo/update.m | 4 ++++
3 files changed, 12 insertions(+)

-----
[2015-05-12 13:09:01 +0200][44e7eba] Mauro Hueller
Typos

m-toolbox/classes/@ltpda_uo/submit.m | 2 +-
m-toolbox/classes/@ltpda_uo/update.m | 2 +-
2 files changed, 2 insertions(+), 2 deletions(-)

-----
[2015-05-08 13:51:52 +0200][cfac9ba] Ingo Diepholz
Merge remote-tracking branch 'origin/development' into development

-----
[2015-05-08 13:51:39 +0200][02c22b1] Ingo Diepholz
Merge remote-tracking branch 'origin/Ingo/supportedNumericDataTypes' into development

-----
[2015-05-07 16:15:05 +0200][16c2ea4] Ingo Diepholz
Bug fix: Unit tests are great.

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

-----
[2015-05-07 14:22:14 +0200][1a4485d] Ingo Diepholz
A draft for the new history behaviour. Let's see what the unit tests think about that.

m-toolbox/classes/@collection/fromInput.m | 44 ++++++-----
1 file changed, 22 insertions(+), 22 deletions(-)

-----
[2015-05-07 10:31:51 +0200][36fe50e] Nikos Karnesis
Using utils.math.cov2corr. The old one requires the financial toolbox

m-toolbox/classes/@ao/flscov.m | 14 +++++-----
1 file changed, 8 insertions(+), 6 deletions(-)

-----
[2015-05-06 18:11:33 +0200][1176090] Ingo Diepholz
Remove not reachable constructor.

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

-----
[2015-05-06 17:55:04 +0200][ff6cd97] Nikos Karnesis
Merge branch 'development' into NK/param_est_pipeline_update

-----
[2015-05-06 17:52:58 +0200][dd5000a] danielvetrugno
few changes to the code

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

-----
[2015-05-06 17:40:37 +0200][5e04203] Nikos Karnesis
Merge branch 'development' into NK/param_est_pipeline_update

-----
[2015-05-06 17:40:22 +0200][b5b270e] Nikos Karnesis
Naming the output object

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

-----
[2015-05-05 16:18:23 +0200][71bc6d9] Ingo Diepholz
Change the default value of 'supportedNumTypes' to {'double'}

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

-----
[2015-05-05 16:03:55 +0200][70b0e1b] Ingo Diepholz
Not finished yet but maybe usefull in the future

.../classes/+utils/@helper/addLicenseToFile.m | 103 ++++++
m-toolbox/classes/+utils/@helper/helper.m | 2 +
2 files changed, 105 insertions(+)

-----
[2015-05-04 18:51:30 +0200][1cd18e5] Ingo Diepholz
Add 'supportedNumTypes' and 'modifier' to the help table and the colors was messed up.

m-toolbox/classes/@minfo/tohtmlTable.m | 30 ++++++-----
1 file changed, 20 insertions(+), 10 deletions(-)

```

```

-----
[2015-05-04 18:49:43 +0200][2bf2f93] Ingo Diepholz
Add new property 'supportedNumTypes'

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

-----
[2015-05-04 18:49:27 +0200][7b537a5] Ingo Diepholz
Update to the new method checkNumericDataTypes()

m-toolbox/classes/@ao/psd.m | 27 ++++++-----
1 file changed, 18 insertions(+), 9 deletions(-)

-----
[2015-05-04 18:49:04 +0200][9e743c2] Ingo Diepholz
Add prototype for the method "checkNumericDataTypes"

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

-----
[2015-05-04 18:48:08 +0200][2c46b5f] Ingo Diepholz
New method which sets a value to the 'supportedNumTypes' property.

m-toolbox/classes/@minfo/setSupportedNumTypes.m | 30 ++++++
1 file changed, 30 insertions(+)

-----
[2015-05-04 18:47:50 +0200][3d4ac10] Ingo Diepholz
New method which sets a value to the 'sets' property.

m-toolbox/classes/@minfo/setSets.m | 29 ++++++
1 file changed, 29 insertions(+)

-----
[2015-05-04 18:47:38 +0200][faf58fa] Ingo Diepholz
New method which sets a value to the 'plists' property.

m-toolbox/classes/@minfo/setPlists.m | 29 ++++++
1 file changed, 29 insertions(+)

-----
[2015-05-04 18:46:36 +0200][979b962] Ingo Diepholz
New method which adds a value to the 'supportedNumTypes' property.

m-toolbox/classes/@minfo/addSupportedNumTypes.m | 30 ++++++
1 file changed, 30 insertions(+)

-----
[2015-05-04 18:45:18 +0200][f791574] Ingo Diepholz
New Method: Throws an error for A0s if the numeric data types doesn't match to the supported numeric data type of
an A0 method.

m-toolbox/classes/@ao/checkNumericDataTypes.m | 24 ++++++
1 file changed, 24 insertions(+)

-----
[2015-05-04 16:49:30 +0200][02a8fb3] Ingo Diepholz
Add comment for better understanding the code.

m-toolbox/classes/@collection/identifyInside0bjs.m | 5 +++++
1 file changed, 5 insertions(+)

-----
[2015-04-24 18:17:43 +0200][b3276b4] Ingo Diepholz
new behaviour as discussed in email 10.04.2015

m-toolbox/classes/@collection/fromRepository.m | 110 ++++++-----
1 file changed, 64 insertions(+), 46 deletions(-)

-----
[2015-04-21 17:06:32 +0200][ef14be5] Nikos Karnesis
Merge branch 'development' into NK/param_est_pipeline_update

-----
[2015-04-21 17:06:08 +0200][a4edb77] Nikos Karnesis
Just removing another plist key to avoid warnings

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

-----
[2015-04-21 17:05:51 +0200][5633e21] Nikos Karnesis
Making the student-t filter work

.../classes/@mfh/loglikelihood_core_student.m | 8 +++-
.../built_in_models/mfh/mfh_model_fft_signals.m | 23 ++++++---
.../built_in_models/mfh/mfh_model_loglikelihood.m | 48 ++++++-----
3 files changed, 62 insertions(+), 17 deletions(-)

```

-----  
[2015-04-21 16:30:58 +0200][8672b67] Mauro Hueller  
We need to output a time object here.

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

-----  
[2015-04-21 16:17:23 +0200][1fc4cb4] Mauro Hueller  
Added time/mean and time/mode methods

m-toolbox/classes/@time/mean.m | 19 +++++  
m-toolbox/classes/@time/mode.m | 19 +++++  
m-toolbox/classes/@time/time.m | 4 +++  
3 files changed, 42 insertions(+)

-----  
[2015-04-21 16:01:31 +0200][a8e467e] Mauro Hueller  
Compare the utc\_epoch\_milli property rather than converting into doubles

m-toolbox/classes/@time/ge.m | 6 +---  
m-toolbox/classes/@time/gt.m | 6 +---  
m-toolbox/classes/@time/le.m | 6 +---  
m-toolbox/classes/@time/lt.m | 6 +---  
4 files changed, 12 insertions(+), 12 deletions(-)

-----  
[2015-04-21 14:19:34 +0200][cd823e9] Ingo Diepholz  
Add missing 'from repository' constructor.

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

-----  
[2015-04-20 19:21:42 +0200][25bd715] Ingo Diepholz  
Bug fix: The file descriptor wasn't closed.

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

-----  
[2015-04-20 06:58:59 +0200][58b3618] Mauro Hueller  
Added the possibility not to add an entry in the transactions table. Very hidden, just for particular cases (lab) of converters.

m-toolbox/classes/@ltpda\_uo/submit.m | 3 +++  
m-toolbox/classes/@ltpda\_uo/update.m | 3 +++  
2 files changed, 6 insertions(+)

-----  
[2015-04-20 06:46:05 +0200][f98b953] Mauro Hueller  
I think that also the update method should add an entry to the transactions table

m-toolbox/classes/@ltpda\_uo/update.m | 15 +++++  
1 file changed, 15 insertions(+)

-----  
[2015-04-20 06:44:31 +0200][fcd7641] Mauro Hueller  
Typo

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

-----  
[2015-04-20 06:44:06 +0200][23b66a0] Mauro Hueller  
Preparing to support skipping of writing into the transactions table

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

-----  
[2015-04-20 06:42:49 +0200][0cfa2a2] Mauro Hueller  
Typo

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

-----  
[2015-04-18 06:42:07 +0200][4881791] Mauro Hueller  
Typos

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

-----  
[2015-04-17 13:37:28 +0200][552117a] Ingo Diepholz  
Improve the method in such way that it also accepts the data type as a string (without using a PLIST).

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

```

-----
[2015-04-17 12:30:48 +0200][a43970a] Luigi Ferraioli
It is wise to check if the overlap is already fractional

m-toolbox/classes/+utils/@math/overlapCorr.m | 5 +++++
1 file changed, 5 insertions(+)

-----
[2015-04-16 17:19:28 +0200][5727bf7] Nikos Karnesis
Just better colouring

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

-----
[2015-04-14 14:13:38 +0200][b0cfdbd] Ingo Diepholz
Update comments of the template because it is not possible (or we don't want -> this might cause issues with
rebuilding the object) that a modified PLIST goes into the history.

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

-----
[2015-04-13 18:15:22 +0200][d7cb084] Ingo Diepholz
Add 'version' to the BUILT-IN factory PLIST.

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

-----
[2015-04-10 14:53:18 +0200][354a20f] Ingo Diepholz
Bug fix: This method sets only properties with lower case letters but this is not for all properties true (e.g.
eventCode - eo class)

m-toolbox/classes/@ltpda_uoh/setObjectProperties.m | 7 +++---
1 file changed, 4 insertions(+), 3 deletions(-)

-----
[2015-04-07 16:48:25 +0200][ff942c4] Nikos Karnesis
Missing plist key

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

-----
[2015-04-01 13:36:10 +0200][d3aab31] Nikos Karnesis
Merge branch 'development' into NK/param_est_pipeline_update

-----
[2015-04-01 13:35:25 +0200][417bb71] Nikos Karnesis
Bug fix: making it work for both SSM and MFH models

m-toolbox/classes/@MCMC/mhsample.m | 20 ++++++-----
1 file changed, 17 insertions(+), 3 deletions(-)

-----
[2015-04-01 12:59:33 +0200][b5c0ff4] Nikos Karnesis
Fixed dog calculation for the case of the mfh models

m-toolbox/classes/@MCMC/mhsample.m | 23 ++++++-----
1 file changed, 18 insertions(+), 5 deletions(-)

-----
[2015-04-01 12:59:01 +0200][a13de2b] Nikos Karnesis
Moving scaling factor to the mfg built-in model

m-toolbox/classes/@MCMC/computeICSMatrix.m | 2 +-
m-toolbox/m/built_in_models/mfh/mfh_model_fft_signals.m | 16 ++++++-----
2 files changed, 11 insertions(+), 7 deletions(-)

-----
[2015-03-31 13:45:22 +0200][a501232] Ingo Diepholz
Convert the start- and stop/end- time in MATLABs property setting to a time object. This is necessary for the new
event object (E0) class.

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

-----
[2015-03-31 09:58:41 +0200][741fe96] Nikos Karnesis
Merge branch 'development' into NK/param_est_pipeline_update

-----
[2015-03-30 19:22:43 +0200][5329e86] danielvetrugno
Fix the estimation of errors by taking into account for a factor 2 because of the one-sided PSD at the denominator
and for another factor 2 due to the proper error propagation.

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

```

-----  
[2015-03-30 17:50:11 +0200][96b29f0] Ingo Diepholz  
Kind of bug fix: The method sets only the y-units if the user provides the same number of y-units as the number of parameter names.

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

-----  
[2015-03-30 15:29:06 +0200][76ff5a8] Nikos Karnesis  
Merge branch 'MN/new\_optimal\_signals' into NK/param\_est\_pipeline\_update

-----  
[2015-03-30 15:28:59 +0200][58723bc] Nikos Karnesis  
Merge branch 'development' into NK/param\_est\_pipeline\_update

-----  
[2015-03-30 12:23:29 +0200][1d940e1] Miquel Nofrarias  
bug fix: input for 2nd channel was not normalised in the loop

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

-----  
[2015-03-28 11:22:42 -0700][ac13d51] Martin Hewitson  
Putting in place useful html tools.

m-toolbox/classes/+utils/@html/html.m | 37 ++++++  
m-toolbox/classes/+utils/@html/pageFooter.m | 13 ++++++  
m-toolbox/classes/+utils/@html/pageHeader.m | 27 ++++++  
m-toolbox/classes/+utils/@html/table.m | 54 ++++++  
4 files changed, 131 insertions(+)

-----  
[2015-03-28 08:15:29 -0700][b959285] Martin Hewitson  
Write the indices of the dropped samples in the procinfo.

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

-----  
[2015-03-27 20:01:26 +0100][3edadb2] Nikos Karnesis  
Bug fix: Adding y-units on the parameter estimates. This can be done from the plist, either from the first guess input (if it is an ao)

m-toolbox/classes/@mfh/fminsearch.m | 13 ++++++  
1 file changed, 13 insertions(+)

-----  
[2015-03-27 16:09:16 +0100][b749bb1] Nikos Karnesis  
Added the provenance patch to the plot tool

m-toolbox/classes/@pest/mcmcPlot.m | 27 ++++++  
1 file changed, 24 insertions(+), 3 deletions(-)

-----  
[2015-03-27 14:06:50 +0100][ec15f83] Nikos Karnesis  
Merge branch 'NK/param\_est\_pipeline\_update' into MN/new\_optimal\_signals

-----  
[2015-03-27 11:41:14 +0100][b56e4ab] Nikos Karnesis  
Fixing history and rebuild

m-toolbox/classes/@MCMC/MCMC.m | 6 +-  
m-toolbox/classes/@MCMC/buildLogLikelihood.m | 16 ++++++  
m-toolbox/classes/@MCMC/calculateCovariance.m | 10 ++++++  
m-toolbox/classes/@MCMC/checkXo.m | 5 ++++  
m-toolbox/classes/@MCMC/getDefaultPlist.m | 0  
m-toolbox/classes/@MCMC/performDataChecks.m | 12 ++++++  
m-toolbox/classes/@ltpda\_algorithm/ltpda\_algorithm.m | 15 ++++++  
.../m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 11 ++++++  
8 files changed, 65 insertions(+), 10 deletions(-)

-----  
[2015-03-26 12:18:06 +0100][1937f50] Nikos Karnesis  
Commenting some lines in here, because it causes different history for the rebuilt object and the 'isequal' fails. To be discussed

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

-----  
[2015-03-26 12:16:27 +0100][b4583d8] Nikos Karnesis  
Committing the updated copy function

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

-----  
[2015-03-26 12:09:42 +0100][0e179ef] Mauro Hueller  
Updated example

m-toolbox/classes/@ao/bilinfilt.m | 10 ++++++---  
1 file changed, 7 insertions(+), 3 deletions(-)

-----  
[2015-03-25 15:54:57 +0100][cc63578] Nikos Karnesis  
Some history fixing thanks to Ingo

m-toolbox/classes/@MCMC/setModel.m | 55 ++++++-----  
m-toolbox/classes/@MCMC/setNoise.m | 45 ++++++-----  
2 files changed, 96 insertions(+), 4 deletions(-)

-----  
[2015-03-25 14:01:44 +0100][a9e614d] Nikos Karnesis  
Cosmetics mostly

m-toolbox/classes/@MCMC/MCMC.m | 16 +++-----  
m-toolbox/classes/@MCMC/buildLogLikelihood.m | 3 +-  
m-toolbox/classes/@MCMC/calculateCovariance.m | 8 +++++--  
m-toolbox/classes/@MCMC/performDataChecks.m | 10 ++++++---  
4 files changed, 19 insertions(+), 18 deletions(-)

-----  
[2015-03-25 13:28:00 +0100][e5bb2f0] Nikos Karnesis  
Adding warning for this method. It is outdated

m-toolbox/classes/@ao/mcmc.m | 3 +  
m-toolbox/classes/@ao/mcmc\_td.m | 273 -----  
2 files changed, 3 insertions(+), 273 deletions(-)

-----  
[2015-03-25 10:13:02 +0100][0e3b8d8] Nikos Karnesis  
Some forgotten commits

m-toolbox/classes/@MCMC/MCMC.m | 0  
m-toolbox/classes/@MCMC/buildLogLikelihood.m | 8 +++++--  
m-toolbox/classes/@MCMC/collectOutputA0s.m | 14 ++++++---  
3 files changed, 18 insertions(+), 4 deletions(-)

-----  
[2015-03-24 11:17:25 +0100][76a9177] Nikos Karnesis  
Merge branch 'NK/param\_est\_pipeline\_update' into MN/new\_optimal\_signals

-----  
[2015-03-23 16:02:18 +0100][9a27505] Nikos Karnesis  
Bug fix: If the version is not A0, go for the core one. Otherwise an error is thrown

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

-----  
[2015-03-23 14:23:49 +0100][32c9731] Nikos Karnesis  
Removed daed key and moving lines to avoid errors.

m-toolbox/classes/@MCMC/getDefaultPlist.m | 6 +-----  
m-toolbox/classes/@MCMC/preprocess.m | 10 ++++++---  
2 files changed, 7 insertions(+), 9 deletions(-)

-----  
[2015-03-23 14:13:37 +0100][fb5a1e0] Nikos Karnesis  
Moving constant coefficient from 'preprocess' to the pfft of the data. More robust that way. Also fixing the A0 version of the likelihood to work and some cosmetics

m-toolbox/classes/@MCMC/computeICSMatrix.m | 20 ++++++-----  
m-toolbox/classes/@MCMC/preprocess.m | 37 ++++++-----  
m-toolbox/classes/@mfh/fisher.m | 1 -  
.../built\_in\_models/mfh/mfh\_model\_fft\_signals.m | 11 +++++--  
.../built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 2 +-  
5 files changed, 41 insertions(+), 30 deletions(-)

-----  
[2015-03-23 11:56:22 +0100][2b960b6] Nikos Karnesis  
Unnecessary line here removed

m-toolbox/classes/@mfh/loglikelihood\_core\_log.m | 1 -  
1 file changed, 1 deletion(-)

-----  
[2015-03-23 11:05:19 +0100][22dca1a] Nikos Karnesis  
Merge branch 'development' into NK/param\_est\_pipeline\_update

-----  
[2015-03-23 11:00:43 +0100][9e2fef2] danielvetrugno  
a change to use the proper weights in the calculation

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

-----  
[2015-03-23 10:32:04 +0100][f0e4ebd] danielvetrugno  
some few cosmetic changes

m-toolbox/classes/@ao/flscov.m | 12 +++++-----  
1 file changed, 6 insertions(+), 6 deletions(-)

-----  
[2015-03-20 16:59:57 +0100][1d1da9d] Nikos Karnesis  
Added missed line here.

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

-----  
[2015-03-20 16:57:46 +0100][216d4bf] Nikos Karnesis  
Merge branch 'development' into NK/param\_est\_pipeline\_update

-----  
[2015-03-20 16:57:29 +0100][f81280b] Nikos Karnesis  
Making the pipeline work with A0 type of MFH objects

m-toolbox/classes/@ao/crb.m | 8 +++++--  
m-toolbox/classes/@mfh/fisher.m | 12 +++++-----  
m-toolbox/classes/@mfh/getJacobian.m | 2 +-  
3 files changed, 14 insertions(+), 8 deletions(-)

-----  
[2015-03-20 15:55:06 +0100][bc7ba12] Nikos Karnesis  
Updating the method again

m-toolbox/classes/@ao/crb.m | 25 ++++++-----  
1 file changed, 19 insertions(+), 6 deletions(-)

-----  
[2015-03-20 15:54:37 +0100][87e07fe] Nikos Karnesis  
Adapting the ao method to recent changes. It is being called by the pipeline

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

-----  
[2015-03-20 15:53:55 +0100][10ece1f] Nikos Karnesis  
Changing default values

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

-----  
[2015-03-20 13:17:44 +0100][c0b131d] Nikos Karnesis  
Missing plist key here.

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

-----  
[2015-03-18 16:01:08 +0100][a24ae35] Nikos Karnesis  
Cosmetics and alternative plist keys

m-toolbox/m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 6 +++--  
1 file changed, 4 insertions(+), 2 deletions(-)

-----  
[2015-03-18 16:00:50 +0100][9a04898] Nikos Karnesis  
Adapt to recent changes

m-toolbox/classes/@MCMC/preprocess.m | 9 +++++--  
1 file changed, 7 insertions(+), 2 deletions(-)

-----  
[2015-03-17 17:33:28 +0100][bc21e84] Nikos Karnesis  
Adapting to recent changes: The parameter estimation pipeline is now using the algorithm class, paving the way to use also the SSMs available.

m-toolbox/classes/@MCMC/MCMC.m | 14 +++++-----  
m-toolbox/classes/@MCMC/computeICSMatrix.m | 28 ++++++-----  
m-toolbox/classes/@MCMC/getDefaultPlist.m | 10 +-----  
m-toolbox/classes/@MCMC/preprocess.m | 2 +-  
m-toolbox/classes/@MCMC/setNoise.m | 7 +++++-  
m-toolbox/classes/@ao/crb.m | 8 +-----  
.../built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 2 +-  
7 files changed, 40 insertions(+), 31 deletions(-)

-----  
[2015-03-17 15:19:06 +0100][a37db58] Ingo Diepholz  
Add a special case if we try to empty the figure-handle (this is for example necessary if we save the objects as a MAT file) Don't create a plotinfo-object for the case that the plotinfo doesn't exist.

m-toolbox/classes/@ltpda\_uoh/setPlotFigure.m | 6 +++++  
1 file changed, 6 insertions(+)

-----  
[2015-03-17 15:18:27 +0100][7b9ac09] Ingo Diepholz

Add a special case if we try to empty the axes-handle (this is for example necessary if we save the objects as a MAT file) Don't create a plotinfo-object for the case that the plotinfo doesn't exist.

m-toolbox/classes/@ltpda\_uoh/setPlotAxes.m | 7 ++++++  
1 file changed, 7 insertions(+)

-----  
[2015-03-17 15:10:00 +0100][443701e] Ingo Diepholz

Bug fix: Clearing the figure- and axes-handle is not limited to the A0 class. Even ltpda\_uoh-objects have the plotinfo-feature.

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

-----  
[2015-03-17 10:38:39 +0100][be438a5] Nikos Karnesis

Merge branch 'development' into NK/param\_est\_pipeline\_update

-----  
[2015-03-17 06:07:52 +0100][74cf61a] Martin Hewitson

Bug fix: we can only clear these fields on AOs. Other objects don't have them. Maybe save should be refactored and overridden at the different classes, calling super where needed.

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

-----  
[2015-03-16 13:52:55 +0100][f740580] Martin Hewitson

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

-----  
[2015-03-16 13:52:47 +0100][f2f23fe] Martin Hewitson

Avoid warnings and errors when saving objects which have an axis and/or figure handle in their plotinfo. To do this we allow setting [] in setPlotAxes and setPlotFigure, and call these in save to clear those fields.

m-toolbox/classes/@ltpda\_uo/save.m | 17 +++++-----  
m-toolbox/classes/@ltpda\_uoh/setPlotAxes.m | 10 +-----  
m-toolbox/classes/@ltpda\_uoh/setPlotFigure.m | 12 +-----  
3 files changed, 11 insertions(+), 28 deletions(-)

-----  
[2015-03-15 13:53:55 +0100][091c61c] Mauro Hueller

Compare the sampling rate only within a given tolerance (rather than imposing they are equal), so to avoid falling into numeric precision issues. This answers MANTIS issue 0000819

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

-----  
[2015-03-14 07:35:51 +0100][cdfbf0d] Mauro Hueller

Removed unused code

m-toolbox/test/utills/test\_slope\_fitting.m | 11 -----  
1 file changed, 11 deletions(-)

-----  
[2015-03-14 07:34:58 +0100][d29c02c] Mauro Hueller

Fixed dof calculation

m-toolbox/classes/+utills/@math/slopefit.m | 4 +++-  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2015-03-13 14:08:54 +0100][d26e7d0] Mauro Hueller

Added a test script. To be completed with more tests.

m-toolbox/test/utills/test\_slope\_fitting.m | 355 +++++  
1 file changed, 355 insertions(+)

-----  
[2015-03-13 12:43:59 +0100][b090482] Mauro Hueller

A new utility to implement textbooks formulas calculation for the linear fit with model  $y = m \cdot x$  Useful for testing

m-toolbox/classes/+utills/@math/math.m | 1 +  
m-toolbox/classes/+utills/@math/slopefit.m | 171 +++++  
2 files changed, 172 insertions(+)

-----  
[2015-03-13 12:43:07 +0100][8ed84d8] Mauro Hueller

Cosmetics

m-toolbox/classes/+utills/@math/linfit.m | 8 +++----  
1 file changed, 4 insertions(+), 4 deletions(-)

-----  
[2015-03-12 13:39:14 +0100][115974b] Mauro Hueller

An attempt to make this faster (at least on my computer): try to build the object, and check for the available ones only in case of failures

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

-----  
[2015-03-12 13:37:13 +0100][b92f42e] Mauro Hueller  
Removed dead code

m-toolbox/classes/@ao/polyfitSpectrum.m | 9 ++-----  
1 file changed, 2 insertions(+), 7 deletions(-)

-----  
[2015-03-11 13:21:04 +0100][64a5109] algorithm update  
Bug fix: allow combination of experiments with different sizes

m-toolbox/classes/@matrix/fisher.m | 5 +++-  
m-toolbox/classes/@ssm/fisher.m | 5 +++-  
2 files changed, 8 insertions(+), 2 deletions(-)

-----  
[2015-03-11 12:00:50 +0100][142bc5c] algorithm update  
Merge branch 'development' into NK/param\_est\_pipeline\_update

-----  
[2015-03-10 11:32:09 +0100][f11cdfc] danielvetrugno  
Fixing the calculation of the fft using the window normalization + cosmetics

m-toolbox/classes/@ao/flscov.m | 23 ++++++-----  
1 file changed, 15 insertions(+), 8 deletions(-)

-----  
[2015-03-10 11:24:39 +0100][4f9e982] danielvetrugno  
Fix the normalization for the spectral window power

m-toolbox/classes/@mfh/loglikelihood\_core\_log.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-03-09 18:45:26 +0100][3ee5beb] danielvetrugno  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2015-03-06 10:44:06 +0100][28f2fb5] Martin Hewitson  
A new split method which detects gaps above a certain threshold (specified by a multiple of 1/fs) and splits the object accordingly.

m-toolbox/classes/@ao/split.m | 68 ++++++-----  
1 file changed, 68 insertions(+)

-----  
[2015-03-05 14:24:11 +0100][9f3a1fc] danielvetrugno  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2015-03-05 07:55:49 +0100][9a1c74f] Martin Hewitson  
Missing semicolon.

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

-----  
[2015-03-05 07:55:01 +0100][b6c5cb7] Martin Hewitson  
Return the line handles to allow the user to further manipulate the lines.

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

-----  
[2015-03-04 18:01:13 +0100][689ca82] Mauro Hueller  
Since this was implemented as an optional input parameter to ao/scale, remove this new method so to avoid excessive proliferation

m-toolbox/classes/@ao/scaleUnits.m | 123 -----  
1 file changed, 123 deletions(-)

-----  
[2015-03-04 18:00:09 +0100][e2d6a8d] Mauro Hueller  
Added an option to allow rescaling of AOs to the desired units and prefixes. The target and original units should be SI equivalent (e.g. nN <=> kg m s^-2). Example: a1 = 1e-8 \* ao.randn(100,1); a1.setYunits('N m/rad');

m-toolbox/classes/@ao/scale.m | 48 ++++++-----  
1 file changed, 46 insertions(+), 2 deletions(-)

-----  
[2015-03-04 16:34:59 +0100][420a1aa] Mauro Hueller  
Bug fix: the default unit should be empty

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

-----  
[2015-03-03 19:55:20 +0100][2ab2737] Mauro Hueller  
Fixed help

```

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

-----
[2015-03-03 19:55:03 +0100][ac8ea56] Mauro Hueller
Added an ao/scaleUnits method to allow rescaling of AOs to the desired units and prefixes. The target and original
units should be SI equivalent (e.g. nN <=> kg m s^-2). Example: a1 = 1e-8 * ao.randn(100,1); a1.setYunits('J/K');

m-toolbox/classes/@ao/scaleUnits.m | 124 +++++
1 file changed, 124 insertions(+)

-----
[2015-03-03 19:16:50 +0100][3708e7c] danielvetrugno
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltppda/ltppda_src into development

-----
[2015-03-03 15:02:02 +0100][0441f79] Mauro Hueller
Removed dead code

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

-----
[2015-03-03 11:29:07 +0100][10e3e2e] Mauro Hueller
Fixed a bug in calculating the uncertainty.

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

-----
[2015-03-03 06:39:34 +0100][09258b7] Mauro Hueller
This method should work the same also for logical operators, respecting the data class (tsdata, fsdata etc) rather
than forcing them to cdata

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

-----
[2015-03-03 06:36:56 +0100][2ee4571] Mauro Hueller
Cosmetics

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

-----
[2015-03-02 13:49:03 -0500][0fb2959] Ira Thorpe
Uploaded old version by mistake. This one should be correct

m-toolbox/classes/@ao/not.m | 70 +-----
1 file changed, 29 insertions(+), 41 deletions(-)

-----
[2015-03-02 13:27:51 -0500][e8b9ee0] Ira Thorpe
Logical 'not' method for as

m-toolbox/classes/@ao/not.m | 76 +-----
1 file changed, 76 insertions(+)

-----
[2015-03-02 12:11:55 -0500][4f02ddf] Ira Thorpe
Exclusive or operator for AOs

m-toolbox/classes/@ao/xor.m | 78 +-----
1 file changed, 78 insertions(+)

-----
[2015-03-02 17:51:57 +0100][722be1e] Ingo Diepholz
Use the strjoin from Kota Yamaguchi

m-toolbox/classes/+utils/@prog/strjoin.license | 24 +++++
m-toolbox/classes/+utils/@prog/strjoin.m | 83 +-----
2 files changed, 69 insertions(+), 38 deletions(-)

-----
[2015-02-27 10:09:33 +0100][41ad249] Martin Hewitson
Some further improvements to try to properly format titles when latex interpreter is on.

m-toolbox/classes/@ao/iplot.m | 18 +-----
1 file changed, 15 insertions(+), 3 deletions(-)

-----
[2015-02-27 08:00:07 +0100][16f09fc] Martin Hewitson
I think this puts iplot back to the way we like it, but that discussion may continue.

m-toolbox/classes/@ao/iplot.m | 42 +-----
1 file changed, 21 insertions(+), 21 deletions(-)

-----
[2015-02-27 07:59:44 +0100][e08625c] Martin Hewitson
Reposition the provenance and repository patches to make figures more compact.

```

```

.../classes/+utils/@plottools/addPlotProvenance.m | 20 ++++++-----
.../classes/+utils/@plottools/addRepositoryPatch.m | 17 ++++++-----
2 files changed, 22 insertions(+), 15 deletions(-)

```

-----  
[2015-02-26 17:23:50 +0100][4c02451] Ingo Diepholz  
Replace the dialog box which popes up when the user have updated his LTPDA version by an output on the command window.

```

src/MPipeline2/dist/MPipeline2.jar | Bin 3536130 -> 3536182 bytes
.../ltpdapreferences/LTPDAPreferences.java | 9 ++++++--
2 files changed, 8 insertions(+), 1 deletion(-)

```

-----  
[2015-02-26 16:41:10 +0100][a545617] Ingo Diepholz  
Update description

```

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

```

-----  
[2015-02-26 14:52:56 +0100][3778a7f] Ingo Diepholz  
New strjoin() method to make this method also possible for MATLAB 2012b

```

m-toolbox/classes/+utils/@prog/prog.m | 1 +
m-toolbox/classes/+utils/@prog/strjoin.m | 47 ++++++-----
2 files changed, 48 insertions(+), 1 deletion(-)

```

-----  
[2015-02-26 14:48:44 +0100][65202cb] Nikos  
Added missing plist keys.

```

m-toolbox/classes/@ao/dispersionLoop.m | 41 ++++++-----
m-toolbox/classes/@matrix/dispersionLoop.m | 39 ++++++-----
2 files changed, 33 insertions(+), 47 deletions(-)

```

-----  
[2015-02-26 14:47:10 +0100][2a0027d] Nikos  
Merge branch 'NK/param\_est\_pipeline\_update' into MN/new\_optimal\_signals

-----  
[2015-02-25 18:15:11 +0100][86f6072] Nikos  
Merge branch 'development' into NK/param\_est\_pipeline\_update

-----  
[2015-02-25 18:14:47 +0100][506ba0a] Nikos  
Updated plist. Handling for the various versions of likelihood

```

m-toolbox/classes/@MCMC/calculateCovariance.m | 22 ++++++-----
m-toolbox/classes/@MCMC/getDefaultPlist.m | 14 ++++++-----
2 files changed, 29 insertions(+), 7 deletions(-)

```

-----  
[2015-02-25 18:12:52 +0100][a3d9bc5] Nikos  
Attempt to automise and optimise

```

m-toolbox/classes/@MCMC/MCMC.m | 8 ++++++
m-toolbox/classes/@MCMC/buildLogLikelihood.m | 35 ++++++-----
2 files changed, 28 insertions(+), 15 deletions(-)

```

-----  
[2015-02-25 18:12:24 +0100][4980cc6] Nikos  
Typos and bringing it up-to-date with respect the algorithm class

```

.../m/built_in_models/mfh/mfh_model_loglikelihood.m | 16 ++++++-----
1 file changed, 11 insertions(+), 5 deletions(-)

```

-----  
[2015-02-25 17:47:58 +0100][21db52f] Ingo Diepholz  
Update requirements

```

m-toolbox/html_help/help/ug/sysreqts_content.html | 8 ++++----
1 file changed, 4 insertions(+), 4 deletions(-)

```

-----  
[2015-02-25 17:42:14 +0100][d75f9cf] Nikos  
Bug fix: Moved code. Error when the user inputs a cov matrix

```

m-toolbox/classes/@MCMC/calculateCovariance.m | 17 ++++++-----
1 file changed, 9 insertions(+), 8 deletions(-)

```

-----  
[2015-02-25 17:41:29 +0100][df19213] Nikos  
Fixed typo

```

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

```

-----  
[2015-02-25 17:35:01 +0100][99b490a] Ingo Diepholz  
Increase MATLAB requirement from version R2010a (7.10) to R2012b (8.0)

```

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

-----
[2015-02-25 17:21:10 +0100][7963999] Ingo Diepholz
Update the "Java Heap Problem" to the different MATLAB version.

.../help/ug/trouble_shooting_content.html | 26 +-----
1 file changed, 19 insertions(+), 7 deletions(-)

-----
[2015-02-25 17:03:43 +0100][a3a8f31] Nikos
Added alternative keys

m-toolbox/classes/@MCMC/mhsample.m | 2 ++
m-toolbox/classes/@MCMC/simplex.m | 2 ++
2 files changed, 4 insertions(+)

-----
[2015-02-25 17:03:33 +0100][9883fed] Ingo Diepholz
Predefine the release notes for 2.9.4 so that I don't forget to update MATLAB requirements-

.../help/ug/releasenotesV2_9_4_content.html | 49 +-----
1 file changed, 49 insertions(+)

-----
[2015-02-25 17:02:30 +0100][3aad69f] Ingo Diepholz
Change the requirements for MATLAB to 2012b

m-toolbox/html_help/help/ug/releasenotes_template_content.html | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

-----
[2015-02-25 16:52:50 +0100][495abe0] Ingo Diepholz
Update example provenance() output.

.../ug/constructor_examples_provenance_content.html | 21 +-----
1 file changed, 11 insertions(+), 10 deletions(-)

-----
[2015-02-25 16:52:20 +0100][23b9bd8] Ingo Diepholz
Update the "Java Heap Problem" to the different MATLAB version.

m-toolbox/html_help/help/ug/trouble_shooting_content.html | 9 +-----
1 file changed, 9 insertions(+)

-----
[2015-02-25 15:52:58 +0100][158b4a7] Ingo Diepholz
MANTIS 856: Change iplob default value for 'interpreter' to match MATLAB default

m-toolbox/classes/@ao/iplot.m | 41 +-----
1 file changed, 20 insertions(+), 21 deletions(-)

-----
[2015-02-25 13:39:31 +0100][4369771] Nikos
Commit at the correct branch. Prior & proposal distributions are generated inside the built-in model for
convenience

.../built_in_models/mfh/mfh_model_loglikelihood.m | 42 +-----
1 file changed, 40 insertions(+), 2 deletions(-)

-----
[2015-02-25 13:37:13 +0100][d94ba64] Nikos
Revert "The prior and proposal distributions are now generated inside the built-in model for convenience"

.../built_in_models/mfh/mfh_model_loglikelihood.m | 243 +-----
1 file changed, 8 insertions(+), 235 deletions(-)

-----
[2015-02-25 13:36:50 +0100][dec6ab7] Nikos
The prior and proposal distributions are now generated inside the built-in model for convenience

.../built_in_models/mfh/mfh_model_loglikelihood.m | 243 +-----
1 file changed, 235 insertions(+), 8 deletions(-)

-----
[2015-02-25 13:30:58 +0100][c010eb6] Miquel Nofrarias
updated methods for optimal signal

m-toolbox/classes/@ao/dispersionLoop.m | 41 +-----
m-toolbox/classes/@matrix/dispersionLoop.m | 31 +-----
2 files changed, 49 insertions(+), 23 deletions(-)

-----
[2015-02-25 13:14:24 +0100][97cebb4] Nikos
Merge branch 'development' into NK/param_est_pipeline_update

-----
[2015-02-25 09:55:12 +0100][a6d22f2] Mauro Hueller
A convenience alias for ltpda_startup

```

```

m-toolbox/m/etc/LTPDAstartup.m | 1 +
1 file changed, 1 insertion(+)

-----
[2015-02-24 15:37:22 +0100][f0324b3] Ingo Diepholz
Adding a string to understand better the output.

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

-----
[2015-02-24 09:12:00 +0100][4005cb5] Martin Hewitson
Bug fix: define 'method' for the case where we have a cdata A0.

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

-----
[2015-02-23 10:07:53 +0100][098474d] Nikos
Merge branch 'development' into NK/param_est_pipeline_update

-----
[2015-02-23 10:07:20 +0100][8adc7fe] Nikos
Cosmetics

m-toolbox/classes/@MCMC/calculateCovariance.m | 57 ++++++-----
1 file changed, 36 insertions(+), 21 deletions(-)

-----
[2015-02-23 10:07:06 +0100][2f1e3ee] Nikos
removing plist key here, not needed any more

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

-----
[2015-02-23 10:06:38 +0100][117f4d3] Nikos
Alternative keys

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

-----
[2015-02-23 00:18:29 +0100][bca9cbe] Nikos
Small typo & cosmetics fixes

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

-----
[2015-02-23 00:11:08 +0100][575c649] Nikos
Getting the fisher function to work as the ones from SSM and MATRIX classes (behaviour to be inherited to the
pipeline). The covariance is now computed with the ao/crb function.

m-toolbox/classes/@MCMC/MCMC.m | 3 +-
m-toolbox/classes/@MCMC/calculateCovariance.m | 168 ++++++-----
m-toolbox/classes/@MCMC/getDefaultPlist.m | 34 ++----
m-toolbox/classes/@MCMC/performDataChecks.m | 9 +-
m-toolbox/classes/@ao/crb.m | 42 +-----
m-toolbox/classes/@mfh/fisher.m | 162 ++-----
6 files changed, 196 insertions(+), 222 deletions(-)

-----
[2015-02-22 15:48:25 +0100][682dc74] danielvetrugno
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltlda/ltlda_src into development

-----
[2015-02-22 15:14:18 +0100][47752a4] Martin Hewitson
Make sure we set a default value here that can work out of the box because this method exposes the interpolation
methods from ao/interp but then doesn't call ao/interp but rather matlab directly.

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

-----
[2015-02-22 14:54:02 +0100][e0bbd0b] Martin Hewitson
Bug fix: the variable N needs to be initialised since there are callerIsMethod cases where N is not defined.

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

-----
[2015-02-21 09:00:23 +0100][f8eef53] Martin Hewitson
Bug fix: the cdata case was not handled properly because there we don't have x values and leave MATLAB to do the
right thing.

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

-----

```

[2015-02-21 08:54:28 +0100][d633164] Martin Hewitson  
Bug fix: we have two different variables for the delay parameter, N and tau, and I was switching out only for tau.  
So now I've made this more uniform so that all the code that operates on the data does so with tau (even for  
'sample' mode).

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

-----  
[2015-02-20 20:04:08 +0100][c21dfa7] Nikos  
Started work on the pipeline update.

.../classes/@mfh/loglikelihood\_core\_student.m | 81 +++++++  
.../m/built\_in\_models/mfh/mfh\_model\_fft\_signals.m | 55 +++++-  
.../built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 201 +++++++  
3 files changed, 325 insertions(+), 12 deletions(-)

-----  
[2015-02-19 15:47:01 +0100][81deba2] danielvetrugno  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltlda/ltlda\_src into development

-----  
[2015-02-19 14:11:38 +0100][e938958] Ingo Diepholz  
Add the feature that the user can define the axis where he wants the conversion. By default is the conversion only  
applied to the y-axis.

m-toolbox/classes/@ao/cast.m | 11 +++++++-  
m-toolbox/classes/@data2D/cast.m | 14 +++++++-  
m-toolbox/classes/@data3D/cast.m | 14 +++++++-  
m-toolbox/classes/@ltlda\_data/cast.m | 10 +++++-  
4 files changed, 37 insertions(+), 12 deletions(-)

-----  
[2015-02-18 16:44:09 +0100][d101eee] Ingo Diepholz  
Add a section to the LTPDA installation that the user have to create the search database for the LTPDA  
documentation with the command: utils.helper.buildSearchDatabase

m-toolbox/html\_help/help/ug/setup\_content.html | 15 +++++++  
1 file changed, 15 insertions(+)

-----  
[2015-02-18 16:41:24 +0100][5df1905] Ingo Diepholz  
Create a helper function which builds a search database for the LTPDA documentation.

m-toolbox/classes/+utils/@helper/buildSearchDatabase.m | 16 +++++++  
m-toolbox/classes/+utils/@helper/helper.m | 2 ++  
2 files changed, 18 insertions(+)

-----  
[2015-02-18 15:50:44 +0100][3d5f731] Ingo Diepholz  
Change the empty LTPDA objects (created with ao.initObjectWithSize(0,0)) inside the default PLIST to an empty  
array []. The empty objects causes some issues in creating a html page of these default PLISTS.

m-toolbox/classes/@ao/gapfillingoptim.m | 4 +--  
m-toolbox/classes/@ao/spdSubtraction.m | 4 +--  
m-toolbox/classes/@ssm/cpsdForCorrelatedInputs.m | 2 +-  
m-toolbox/classes/@ssm/cpsdForIndependentInputs.m | 2 +-  
m-toolbox/classes/@ssm/kalman.m | 4 +--  
m-toolbox/classes/@ssm/psd.m | 2 +-  
6 files changed, 9 insertions(+), 9 deletions(-)

-----  
[2015-02-19 12:07:49 +0100][3f4be83] Martin Hewitson  
Added a new interpolation method 'auto' which chooses the method based on the class of the data. For single and  
double data, we go with spline. For anything else, nearest neighbour is chosen. Since MATLAB's interp1, only  
supports single and double data types, the input data is always cast to a double before interpolating, then cast  
back to the original data type afterwards.

m-toolbox/classes/@ao/interp.m | 52 +++++++  
1 file changed, 43 insertions(+), 9 deletions(-)

-----  
[2015-02-18 23:25:07 +0100][d905aa8] danielvetrugno  
When the noise is unknown the weights are the variance up to a scale factor. This changes take into account this  
fact to properly calculate the errors on the estimated parameters

m-toolbox/classes/@ao/flscov.m | 11 +++++-  
1 file changed, 6 insertions(+), 5 deletions(-)

-----  
[2015-02-18 08:22:45 +0100][1eec2a1] Martin Hewitson  
Just do nothing rather than set xunits=xunits.

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

-----  
[2015-02-18 07:49:41 +0100][b73c985] Martin Hewitson  
Update version.

m-toolbox/makeToolbox.m | 3 +--

1 file changed, 1 insertion(+), 2 deletions(-)

-----  
[2015-02-18 07:49:15 +0100][76a42fc] Martin Hewitson  
Two changes:

m-toolbox/classes/@ao/diff.m | 22 ++++++-----  
1 file changed, 11 insertions(+), 11 deletions(-)

-----  
[2015-02-18 07:46:24 +0100][aa5f27e] Martin Hewitson  
If the delay is 0, just leave the data alone.

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

-----  
[2015-02-17 15:42:06 +0100][c2ae04e] danielvetrugno  
There was probably something wrong in the last version. Here we try to get the error bars on the estimated parameters as prescribed in Numerical Recipes Chapter 15 pag 658.

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

-----  
[2015-02-14 20:15:09 +0100][c31f1f0] danielvetrugno  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2015-02-14 20:14:42 +0100][4373bda] danielvetrugno  
1. Cosmetics about the display output. 2. In the previous version, the basic assumption was that chisquare is equal to 1. Actually, the algorithm should assume that Reduced Chisquare is equal to 1. This mean that the equation to solve had to be divided by the number of degrees of freedom. This seems to fix the problem of too low error values on the parameter estimation.

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

-----  
[2015-02-13 13:46:15 +0100][2120f9e] Nikos  
Small typo fix: When 'k1' is empty, then the complete spectrum must be used. Set default value k1 = 1

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

-----  
[2015-02-11 16:15:03 +0100][c895e99] danielvetrugno  
Add a digit to the printed y values

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

-----  
[2015-02-11 15:49:21 +0100][9c2b838] danielvetrugno  
We implemented the k1 parameter. Now the fit can be done over really independent frequencies

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

-----  
[2015-02-11 15:08:23 +0100][0578b05] Ingo Diepholz  
Merge remote-tracking branch 'origin/Ingo/improveSubmitPlotFigure' into development

-----  
[2015-02-11 15:06:16 +0100][d4ca590] Ingo Diepholz  
Bug fix: For the case that the user doesn't define a submit-PLIST which configures ltpda\_uo/submit do we submit an additional empty PLIST --> This is not what we want.

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

-----  
[2015-02-11 14:26:27 +0100][05252f5] Ingo Diepholz  
Bug fix to the previous fix.

m-toolbox/classes/@ltpda\_uo/submit.m | 4 +++-  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2015-02-11 14:19:21 +0100][b6135a8] Ingo Diepholz  
Bug fix: The following example failed `pl = plist('a', 1); pls = [pl, pl]; pls.submit() % NO submit PLIST` This failed because we have forgotten to take the input PLISTS out of the konfiguration PLIST (which configures the submit method).

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

-----  
[2015-02-10 18:53:47 +0100][679a6e5] danielvetrugno  
use iplotPSD instead of iplot

```

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

-----
[2015-02-10 16:55:48 +0100][5cf6d22] danielvetrugno
few changes: 1. produce plot of sqrt(psd) 2. make it properly working with different navs and olap

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

-----
[2015-02-10 12:54:51 +0100][dbe51c9] Ingo Diepholz
Two bug fixes: 1) Do not substitute the underline character (_) with (\_) if the legend interpreter is not 'tex'
or 'Latex'. In other words substitute only if the interpreter is 'Latex' or 'tex'. 2) The Description for the
legend must be always a cell-array of strings. In some cases was it only a string.

m-toolbox/classes/@ao/iplot.m | 25 ++++++-----
1 file changed, 15 insertions(+), 10 deletions(-)

-----
[2015-02-06 13:13:12 +0100][612d8dd] Ingo Diepholz
Add the feature that the user can define the name of a figure window.

m-toolbox/classes/@ao/iplotyy.m | 19 ++++++-----
1 file changed, 19 insertions(+)

-----
[2015-02-06 11:41:42 +0100][dbbaf76] Ingo Diepholz
Show GIT hash tag of LTPDA in the startup logo.

m-toolbox/m/etc/ltpda_startup.m | 10 ++++++---
1 file changed, 9 insertions(+), 1 deletion(-)

-----
[2015-02-06 11:40:25 +0100][1ca3b7f] Ingo Diepholz
Change the LTPDA version so that it shows the local MATLAB version and not the MATLAB version on which LTPDA was
build on (Usually Martins MATLAB version). The reason is that this LTPDA version goes also into the plots.

m-toolbox/m/etc/ltpda_startup.m | 3 +-
1 file changed, 2 insertions(+), 1 deletion(-)

-----
[2015-02-06 08:55:04 +0100][37d913f] Martin Hewitson
Improve messaging. Maybe this can happen elsewhere in this function.

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

-----
[2015-02-05 14:33:01 +0100][47b1880] Nikos
Small bug fix. We DID support multiple experiments. We do not support multiple channels.

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

-----
[2015-02-05 14:00:57 +0100][6292f97] Ingo Diepholz
Add two new methods which returns the UUID for a given object-id and the other way around.

.../classes/+utils/@repository/getIDfromUUID.m      | 42 ++++++
.../classes/+utils/@repository/getUUIDfromID.m     | 37 ++++++
m-toolbox/classes/+utils/@repository/repository.m   | 3 ++
3 files changed, 82 insertions(+)

-----
[2015-02-05 13:57:46 +0100][f1c8bec] Ingo Diepholz
Made the following improvements: - Add UUID to to the annotation message - Get the UUID if only the figure ID
exist. - Outsource the creation of the annotation message.

.../classes/+utils/@plottools/addRepositoryPatch.m | 35 ++++++-----
1 file changed, 27 insertions(+), 8 deletions(-)

-----
[2015-02-05 13:50:41 +0100][cde2fc1] Ingo Diepholz
Add also the Repository patch if a user retrieves a figure.

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

-----
[2015-02-05 13:49:22 +0100][cb64a08] Ingo Diepholz
Throw an error if the user tries to download more that one figure at once.

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

-----
[2015-02-05 13:48:11 +0100][d3ec6e1] Ingo Diepholz
Fix type in description

m-toolbox/classes/+utils/@plottools/retrieveFigure.m | 6 +----

```

```

1 file changed, 3 insertions(+), 3 deletions(-)

-----
[2015-02-04 15:42:57 +0100][e9f518c] Nikos
Added the 'nearestSPD' method from file exchange to generate a positive covariance matrix. To be discussed

m-toolbox/classes/@mfh/fisher.m | 91 ++++++
1 file changed, 91 insertions(+)

-----
[2015-02-03 12:03:17 +0100][7a35d4c] danielvetrugno
changes to cope again with the fact that now the xspec automatically delete the first 4 frequency bins when the
BH92 windows is selected. This should be also implemented in fft.

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

-----
[2015-02-02 16:40:31 +0100][160e11c] Nikos
Minor fixes: frequency range of the fit, the yunits can be in a cell array

m-toolbox/classes/@ao/flscov.m | 47 ++++++-----
1 file changed, 34 insertions(+), 13 deletions(-)

-----
[2015-01-30 20:56:06 +0100][8dd39bb] danielvetrugno
changes to cope with the fact that now the xspec automatically delete the first 4 frequency bins when the BH92
windows is selected. This should be also implemented in fft.

m-toolbox/classes/@ao/flscov.m | 12 +-----
1 file changed, 6 insertions(+), 6 deletions(-)

-----
[2015-01-30 19:47:57 +0100][a7bba46] Martin Hewitson
Bug fix: diff2p_core was not declared static, but it should be, just like diff3p_core, since this is how it is
used in ao/diff.

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

-----
[2015-01-30 19:41:10 +0100][2020067] Martin Hewitson
Bug fix: according to the help, leaving N empty should work, but it didn't.

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

-----
[2015-01-30 16:54:48 +0100][d90c12b] Nikos
Cosmetics and some optimisation

m-toolbox/classes/@ao/flscov.m | 55 ++++++-----
1 file changed, 38 insertions(+), 17 deletions(-)

-----
[2015-01-30 15:31:00 +0100][fb4cc70] Nikos
Cosmetics and typos

m-toolbox/classes/@ao/flscov.m | 24 +-----
1 file changed, 14 insertions(+), 10 deletions(-)

-----
[2015-01-30 15:22:53 +0100][d401597] Nikos
A first version of the iterative re-weighted least square fitting scheme for time-series.

m-toolbox/classes/@ao/flscov.m | 373 ++++++
1 file changed, 373 insertions(+)

-----
[2015-01-29 16:28:06 +0100][eff0292] Nikos
Reverted to old style of the yticklabels. The new one was not functional

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

-----
[2015-01-29 16:26:55 +0100][1c2063a] Nikos
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpra/ltpra_src into development

-----
[2015-01-29 15:15:44 +0100][eff438b] Martin Hewitson
Bug fix: we need to avoid trying to plot on color-bars too.

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

-----
[2015-01-29 14:45:03 +0100][9ab7227] Nikos
Bug fix, make sure that a the input values are in a column array

m-toolbox/classes/@mfh/fisher.m | 8 +-----

```

1 file changed, 7 insertions(+), 1 deletion(-)

-----  
[2015-01-29 01:20:16 +0100][86494fd] I  
ao/split includes the edges when called with the 'samples' version

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

-----  
[2015-01-28 22:24:17 +0100][d21cd7b] I  
In view of a the implementation of an analysis where we need Re(CPSD(o1, x1)) and similar calculations (see for instance PRD 75, 042001 (2007)), I am changing the variance calculation to separate the statistics of the real part from the one of the imaginary part. I know this is debatable, so maybe in the future we could have a switch to choose the calculation technique.

m-toolbox/classes/@ao/wosa.m | 28 ++++++-----  
1 file changed, 27 insertions(+), 1 deletion(-)

-----  
[2015-01-28 21:53:23 +0100][6dd6079] I  
Cosmetics

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

-----  
[2015-01-28 16:22:50 +0100][f52058a] Ingo Diepholz  
Add HTML page for the new release 2.9.3

.../help/ug/releasenotesV2\_9\_3\_content.html | 47 ++++++  
1 file changed, 47 insertions(+)

-----  
[2015-01-28 16:22:28 +0100][940915b] Ingo Diepholz  
Add the new release 2.9.3 to the release overview table.

m-toolbox/html\_help/help/ug/releasenotes\_content.html | 15 ++++++-----  
1 file changed, 11 insertions(+), 4 deletions(-)

-----  
[2015-01-28 16:21:36 +0100][e29c218] Ingo Diepholz  
Add the new release 2.9.3 to the XML file

m-toolbox/html\_help/help/helptoc.xml | 1 +  
1 file changed, 1 insertion(+)

-----  
[2015-01-28 16:21:02 +0100][b58ec8a] Ingo Diepholz  
Update the MATLAB version in the info.xml file to R2014b

m-toolbox/html\_help/info.xml | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-01-28 10:37:20 +0100][ccdcd4] I  
Cosmetics

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

-----  
[2015-01-28 08:43:28 +0100][83d97f4] Martin Hewitson  
Factor out the x-units converter from iplot into a utility function.

.../classes/+utils/@plottools/convertXunits.m | 51 ++++++  
m-toolbox/classes/+utils/@plottools/plottools.m | 2 +  
m-toolbox/classes/@ao/iplot.m | 52 +-----  
3 files changed, 54 insertions(+), 51 deletions(-)

-----  
[2015-01-28 08:21:36 +0100][137b4e7] Martin Hewitson  
Drop the first few samples of the resulting spectral series, according to the value set in the window.

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

-----  
[2015-01-28 08:21:05 +0100][828815d] Martin Hewitson  
Set the number of samples to skip to 4 for BH window.

m-toolbox/classes/@specwin/win\_bh92.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2015-01-28 08:20:49 +0100][5e30439] Martin Hewitson  
Add a new plist parameter to allow automatic dropping (or not) of the first few frequency samples, as defined in the window object.

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

```

-----
[2015-01-28 08:20:12 +0100][83941d4] Martin Hewitson
Store the window in the info so that we can use it at the higher level.

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

-----
[2015-01-27 14:18:20 +0100][a6303d8] Nikos
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltlda/ltlda_src into development

-----
[2015-01-27 13:40:10 +0100][f49e088] Nikos
Typo fix

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

-----
[2015-01-27 13:05:33 +0100][237a105] Nikos
Title to the plot

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

-----
[2015-01-27 13:02:36 +0100][1e95ee3] Ingo Diepholz
Bug fix: Rename the private method which sets the origin in the constructor because we still need a possibility to
set the 'origin' from outside the class. The function name setOrigin was used for this private function but this
should be the name for setting the property from outside the class.

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

-----
[2015-01-27 12:11:20 +0100][3ddf065] Nikos
Small additional fix

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

-----
[2015-01-27 12:08:15 +0100][c5a2d79] I
Cosmetics

m-toolbox/classes/@ao/scale.m | 8 -----
1 file changed, 8 deletions(-)

-----
[2015-01-27 12:07:24 +0100][cc5cf00] Nikos
More information about the produced plots when creating the likelihood

m-toolbox/classes/@MCMC/computeICSMatrix.m | 10 ++++++---
1 file changed, 7 insertions(+), 3 deletions(-)

-----
[2015-01-26 20:06:36 +0100][08af6a6] Martin Hewitson
Remove the enclosing split() from the object names.

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

-----
[2015-01-24 11:19:26 +0100][f0a3eea] Martin Hewitson
Merge branch 'MRH/improvedDisplay' into development

-----
[2015-01-24 11:19:12 +0100][9724b0e] Martin Hewitson
Improve naming of the resulting object, and give a plist option to set this.

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

-----
[2015-01-24 11:18:52 +0100][37d2ad7] Martin Hewitson
We can keep this now that we fall back from the coloured output.

m-toolbox/classes/@history/getNodes.m | 1 +
m-toolbox/classes/@history/hist2m.m | 1 +
2 files changed, 2 insertions(+)

-----
[2015-01-20 15:56:58 +0100][27adbca] Nikos
Merge branch 'development' into NK/mcmc_mantis_fixes

-----
[2015-01-16 14:27:12 +0100][1ce9d98] Martin Hewitson
Fall back to non-coloured message output, because the coloured output was too slow (until we find a faster way).

m-toolbox/classes/+utils/@helper/msg.m | 15 +-----

```

1 file changed, 2 insertions(+), 13 deletions(-)

-----  
[2015-01-15 09:35:18 +0100][a9f259d] Martin Hewitson  
Merge branch 'development' into MRH/improvedDisplay

-----  
[2015-01-14 14:55:56 -0500][dfc6357] Ira Thorpe  
fixed minus sign error for integer negative delays (time advances)

m-toolbox/classes/+utils/@math/fdfilt\_delay\_core.m | 3 +--  
1 file changed, 1 insertion(+), 2 deletions(-)

-----  
[2015-01-09 11:33:07 +0100][6e5977b] Luigi Ferraioli  
changed ffit = [S\_target.x(1) S\_target.x(end)]; to ffit = [-inf inf]; since with the previous range split was  
cutting the last frequency point i.e. S\_target.x(end).

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

-----  
[2014-12-18 18:31:04 +0100][ef29aba] Martin Hewitson  
Bug fix. It's better to create the tsdata object using the sample rate, since this avoids rounding errors when  
creating from an x vector. This is in response to MANTIS issue 828.

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

-----  
[2014-12-18 11:40:17 -0500][ba8f4f8] Ira Thorpe  
method for making nyquist plots for fsdata. Should perhaps be integrated with iplot as a type for fsdata and also  
extended to ltpda\_filter objects?

m-toolbox/classes/@ao/nyquistplot.m | 394 +++++  
1 file changed, 394 insertions(+)

-----  
[2014-12-18 14:56:00 +0100][ff074ef] Martin Hewitson  
We can not compare origins when comparing param objects because, at least in rebuilding, we end up with a  
different origin.

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

-----  
[2014-12-18 14:54:57 +0100][3cc7275] Martin Hewitson  
Make this persistent.

m-toolbox/classes/+utils/@helper/ltpda\_userclasses.m | 8 +++++-  
1 file changed, 7 insertions(+), 1 deletion(-)

-----  
[2014-12-18 15:05:26 +0100][220b6fc] Martin Hewitson  
Refactor and optimise the set origin code into a private method.

m-toolbox/classes/@param/param.m | 122 +++++-----  
1 file changed, 67 insertions(+), 55 deletions(-)

-----  
[2014-12-18 14:56:00 +0100][72a9310] Martin Hewitson  
We can not compare origins when comparing param objects because, at least in rebuilding, we end up with a  
different origin.

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

-----  
[2014-12-18 14:55:23 +0100][c84685a] Martin Hewitson  
Avoid use of \b since this is not currently supported by our new LTPDAprintf function.

m-toolbox/classes/@history/getNodes.m | 1 -  
m-toolbox/classes/@history/hist2m.m | 1 -  
2 files changed, 2 deletions(-)

-----  
[2014-12-18 14:54:57 +0100][b01d059] Martin Hewitson  
Make this persistent.

m-toolbox/classes/+utils/@helper/ltpda\_userclasses.m | 8 +++++-  
1 file changed, 7 insertions(+), 1 deletion(-)

-----  
[2014-12-18 14:54:43 +0100][f7bc44c] Martin Hewitson  
Extend the color array, and add a try-catch to avoid issues.

m-toolbox/classes/+utils/@helper/msg.m | 15 +++++-----  
1 file changed, 12 insertions(+), 3 deletions(-)

-----  
[2014-12-18 14:39:28 +0100][6722da3] Martin Hewitson

Merge branch 'development' into MRH/improvedDisplay

-----  
[2014-12-18 14:08:19 +0100][6df35ff] Martin Hewitson  
We think the logic was wrong here, so we return after each check.

m-toolbox/classes/@history/isequal.m | 6 +++---  
1 file changed, 3 insertions(+), 3 deletions(-)

-----  
[2014-12-18 14:04:46 +0100][cba5657] Martin Hewitson  
Merge branch 'development' into MRH/improvedDisplay

-----  
[2014-12-18 13:43:18 +0100][d081f40] Martin Hewitson  
Merge branch 'development' into Ingo/fix\_param\_origin

-----  
[2014-12-18 13:40:50 +0100][cce3795] Martin Hewitson  
Update version

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

-----  
[2014-12-18 13:40:50 +0100][dd727f0] Martin Hewitson  
Update version

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

-----  
[2014-12-18 13:40:19 +0100][a5fedfa] Martin Hewitson  
Slightly improved color for the message source.

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

-----  
[2014-12-16 08:44:27 +0100][1066310] Martin Hewitson  
Make sure to use compatible colors. Strings are not supported by LTPDAprintf yet.

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

-----  
[2014-12-16 08:38:48 +0100][2e84393] Martin Hewitson  
New printf from Ingo, and use it in msg.

m-toolbox/classes/+utils/@helper/msg.m | 14 +++---  
m-toolbox/m/etc/LTPDAprintf.m | 103 +++++  
2 files changed, 109 insertions(+), 8 deletions(-)

-----  
[2014-12-16 08:27:46 +0100][a9cb66b] Martin Hewitson  
Merge branch 'development' into MRH/improvedDisplay

-----  
[2014-12-15 14:06:30 +0100][dc18e04] Ingo Diepholz  
Bug fix: Draw the line on the righth axes.

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

-----  
[2014-12-15 13:54:08 +0100][313a977] Ingo Diepholz  
Add new method which creates a vertical line inside a plot.

m-toolbox/classes/+utils/@plottools/plottools.m | 2 +  
m-toolbox/classes/+utils/@plottools/verticalLine.m | 83 +++++  
2 files changed, 85 insertions(+)

-----  
[2014-12-15 13:54:08 +0100][8da5014] Ingo Diepholz  
Add new method which creates a vertical line inside a plot.

m-toolbox/classes/+utils/@plottools/plottools.m | 2 +  
m-toolbox/classes/+utils/@plottools/verticalLine.m | 83 +++++  
2 files changed, 85 insertions(+)

-----  
[2014-12-14 14:06:42 +0100][9aa1339] Martin Hewitson  
Still not hugely happy with our message display, but maybe this is a little better. Comments welcome.

m-toolbox/classes/+utils/@helper/msg.m | 8 ++-----  
1 file changed, 2 insertions(+), 6 deletions(-)

-----  
[2014-12-11 14:31:48 +0100][52cbce0] Nikos  
Cosmetics

m-toolbox/classes/@pest/mcmcPlot.m | 123 ++++++-----  
1 file changed, 92 insertions(+), 31 deletions(-)

-----  
[2014-12-10 11:04:54 +0100][040c96e] Nikos  
Bug fix: names appear correct now

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

-----  
[2014-12-04 15:13:19 +0100][85a4a45] Nikos  
General update of the plotting function. Added visual diagnostics.

m-toolbox/classes/@pest/mcmcPlot.m | 215 ++++++-----  
1 file changed, 161 insertions(+), 54 deletions(-)

-----  
[2014-12-04 15:12:31 +0100][0f54ef9] Nikos  
Cosmetics, better messages and display

m-toolbox/classes/@MCMC/calculateCovariance.m | 23 ++++++-----  
m-toolbox/classes/@MCMC/preprocessMFH.m | 3 +-  
m-toolbox/classes/@mfh/fisher.m | 21 ++++++-----  
3 files changed, 29 insertions(+), 18 deletions(-)

-----  
[2014-12-03 13:56:57 -0500][d9b3a38] Ira Thorpe  
Added logic to use existing 'latexlabels' plist key to control 'interpreter' parameter in the MATLAB legend command. This allows the user to turn off latex labels in the legends as well as on the axes and titles.

m-toolbox/classes/@ao/iplot.m | 41 ++++++-----  
1 file changed, 33 insertions(+), 8 deletions(-)

-----  
[2014-12-03 13:54:57 -0500][0091a2f] Ira Thorpe  
minor tweaks to fdfilt\_delay\_core to change default parameters and better handle arrays

m-toolbox/classes/+utils/@math/fdfilt\_delay\_core.m | 11 +++++-----  
1 file changed, 5 insertions(+), 6 deletions(-)

-----  
[2014-12-03 16:31:30 +0100][4ce1864] Ingo Diepholz  
Bug fix: Add missing 'import' command for the output function utils.helper.msg()

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

-----  
[2014-12-03 16:31:20 +0100][2159a62] Ingo Diepholz  
Remove commented out output.

m-toolbox/classes/@matrix/fftfilt.m | 2 --  
m-toolbox/classes/@matrix/simplify.m | 2 --  
m-toolbox/classes/@provenance/provenance.m | 1 -  
3 files changed, 5 deletions(-)

-----  
[2014-12-03 15:59:35 +0100][e11a0b1] Ingo Diepholz  
Bug fix: Add missing 'import' command for the output function utils.helper.msg()

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

-----  
[2014-12-01 11:58:14 +0100][ac46fba] Nikos  
A plist key to apply a negative sign to the cost function. Had forgotten to do this for the mfh/fminsearch.

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

-----  
[2014-11-26 17:05:59 +0100][0ca73c7] Ingo Diepholz  
Replace loop by cell-commands.

m-toolbox/classes/+utils/@helper/msg.m | 10 +++++-----  
1 file changed, 5 insertions(+), 5 deletions(-)

-----  
[2014-11-26 15:03:06 +0100][23e2381] Nikos  
Cosmetics and general re-arrangement of the core files.

m-toolbox/classes/@MCMC/MCMC.m | 5 +-  
m-toolbox/classes/@MCMC/decision.m | 4 +-  
m-toolbox/classes/@MCMC/defineLogLikelihood.m | 15 +-  
m-toolbox/classes/@MCMC/logDecision.m | 2 +-  
m-toolbox/classes/@MCMC/mhsample.m | 267 ++++++-----  
m-toolbox/classes/@MCMC/preprocessMFH.m | 4 +-  
6 files changed, 63 insertions(+), 234 deletions(-)

[2014-11-26 15:01:58 +0100][d970b54] Nikos  
Fixed minus sign for the log likelihood for the case of SSM and MATRIX functions

m-toolbox/classes/@MCMC/simplex.m | 74 ++++++-----  
1 file changed, 38 insertions(+), 36 deletions(-)

[2014-11-26 15:00:44 +0100][30fd4b8] Nikos  
Moved the 1/2 term from beta to the log-likelihood

m-toolbox/classes/@MCMC/computeBeta.m | 15 +++-----  
m-toolbox/classes/@matrix/loglikelihood\_core.m | 7 +++--  
m-toolbox/classes/@mfh/loglikelihood\_core.m | 5 +++--  
m-toolbox/classes/@mfh/loglikelihood\_core\_noiseFit\_v1.m | 2 +-  
m-toolbox/classes/@ssm/loglikelihood\_core.m | 7 +++--  
5 files changed, 16 insertions(+), 20 deletions(-)

[2014-11-26 14:59:42 +0100][e371699] Nikos  
Removed unused file, added new functions taken from mhsample

m-toolbox/classes/@MCMC/decisionM.m | 63 -----  
m-toolbox/classes/@MCMC/mhutils.m | 118 ++++++-----  
m-toolbox/classes/@MCMC/updateFIM.m | 34 ++++++  
3 files changed, 152 insertions(+), 63 deletions(-)

[2014-11-26 09:52:41 +0100][81ad58d] Martin Hewitson  
Moved cprintf to its own directory so I can include its license. Also this is the latest version.

m-toolbox/m/etc/cprintf.m | 371 -----  
m-toolbox/m/etc/cprintf/cprintf.m | 554 ++++++-----  
m-toolbox/m/etc/cprintf/license.txt | 24 ++  
3 files changed, 578 insertions(+), 371 deletions(-)

[2014-11-26 09:51:36 +0100][2464ea7] Martin Hewitson  
Improved output to use cprintf and to give path to the calling method.

m-toolbox/classes/+utils/@helper/msg.m | 26 ++++++-----  
m-toolbox/classes/+utils/@helper/msg\_nnl.m | 6 ++++--  
2 files changed, 24 insertions(+), 8 deletions(-)

[2014-11-25 16:04:57 +0100][7b7f3fb] Nikos  
Started fixing some mantis issues

m-toolbox/classes/@MCMC/logDecision.m | 21 +++-----  
1 file changed, 3 insertions(+), 18 deletions(-)

[2014-11-24 16:30:24 +0100][9e4e9e4] Ingo Diepholz  
Overload test test\_preserves\_plotinfo because this method doesn't preserves the plotinfo

.../tests/ao/@test\_ao\_detectOutliers/test\_ao\_detectOutliers.m | 8 ++++++  
1 file changed, 8 insertions(+)

[2014-11-21 08:41:49 +0100][ea62c29] Martin Hewitson  
Make sure we pass the 'filter' option and the 'fs' to fixfs.

m-toolbox/classes/@ao/consolidate.m | 8 ++++++--  
1 file changed, 7 insertions(+), 1 deletion(-)

[2014-11-21 08:41:22 +0100][7a8594d] Martin Hewitson  
I don't think we need the 'M:'.

m-toolbox/classes/+utils/@helper/msg\_nnl.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

[2014-11-20 16:58:53 +0100][e33585e] Martin Hewitson  
Ensure we really set the new sample rate by tricking the underlying checks.

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

[2014-11-20 15:51:30 +0100][3dbcf56] Martin Hewitson  
Some improved output to help diagnosing problems.

m-toolbox/classes/@ao/consolidate.m | 12 ++++++-----  
1 file changed, 7 insertions(+), 5 deletions(-)

[2014-11-20 15:46:08 +0100][a5a6826] Martin Hewitson  
Support passing the vertices as an evaluable string. This is much better than storing a large vector in the history.

m-toolbox/classes/@ao/interp.m | 4 +++-

1 file changed, 3 insertions(+), 1 deletion(-)

---

[2014-11-20 15:35:56 +0100][7fc853f] Martin Hewitson  
Added some useful additional output.

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

---

[2014-11-20 15:35:35 +0100][136e31a] Martin Hewitson  
Give more info when printing messages (like where the message is generated). We can revert this if people don't like it.

m-toolbox/classes/+utils/@helper/msg.m | 11 ++++++++  
1 file changed, 11 insertions(+)

---

[2014-11-19 17:22:17 +0100][de1ddd1] Ingo Diepholz  
New method which displays an array of timespan objects in a table.

m-toolbox/classes/@timespan/table.m | 139 +++++  
1 file changed, 139 insertions(+)

---

[2014-11-19 17:13:43 +0100][44d7db2] Luigi Ferraioli  
LogLikelihood should be maximised (as the likelihood) in order to use a minimiser as the simplex we have to put a -1 in front of the log likelihood. Requires some more thinking on the way to handle exceptions. (Need Nikos check)

m-toolbox/classes/@MCMC/simplex.m | 20 ++++++--  
1 file changed, 19 insertions(+), 1 deletion(-)

---

[2014-11-19 17:11:18 +0100][455793d] Luigi Ferraioli  
if you input an empty Tc you skip the annealing step. (Need Nikos check)

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

---

[2014-11-19 17:08:58 +0100][c463cad] Luigi Ferraioli  
Putting the -1/2 coefficient in the chi2 log likelihood. (Need Nikos check)

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

---

[2014-11-19 17:07:41 +0100][fc1a058] Luigi Ferraioli  
putting the - sign on the logarithmic log likelihood. (Need Nikos check)

m-toolbox/classes/@mfh/loglikelihood\_core\_log.m | 11 +++++--  
1 file changed, 7 insertions(+), 4 deletions(-)

---

[2014-11-19 17:05:51 +0100][781eed5] Luigi Ferraioli  
changing the way the log decision is taken. Looks clearer to me (need Nikos check).

m-toolbox/classes/@MCMC/logDecision.m | 25 ++++++-----  
1 file changed, 20 insertions(+), 5 deletions(-)

---

[2014-11-19 17:04:10 +0100][1d7070e] Luigi Ferraioli  
putting 1/2 coefficient in the log likelihood instead of the beta (need Nikos check)

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

---

[2014-11-18 16:13:21 +0100][9837ab1] Ingo Diepholz  
Because of MATLAB new graphics system is this function obsolete.

.../classes/+utils/@plottools/consolidatePlot.m | 549 +-----  
1 file changed, 4 insertions(+), 545 deletions(-)

---

[2014-11-18 15:57:33 +0100][fb39303] Ingo Diepholz  
Replace the UserData of the figure handle with the collection object.

m-toolbox/classes/@collection/plot.m | 6 +++--  
1 file changed, 3 insertions(+), 3 deletions(-)

---

[2014-11-18 15:34:01 +0100][29dea68] Ingo Diepholz  
Replace the UserData of the figure handle with this matrix object.

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

---

[2014-11-18 15:33:42 +0100][3d4c213] Ingo Diepholz  
Add a feature which replaces the UserData of a handle object with the inputs (instead of adding).

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

-----  
[2014-11-18 15:20:59 +0100][9931d33] Ingo Diepholz  
Use the public function utils.plottools.cacheObjectInUserData() instead of a sub function cacheObject().

m-toolbox/classes/@ao/iplot.m | 31 ++++++  
1 file changed, 10 insertions(+), 21 deletions(-)

-----  
[2014-11-18 14:14:11 +0100][13dc7aa] Ingo Diepholz  
Merge remote-tracking branch 'origin/MRH/submitPlots' into development

-----  
[2014-11-18 14:12:32 +0100][9b38655] Martin Hewitson  
Reverse this commit -- it was done by mistake.

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

-----  
[2014-11-18 14:07:22 +0100][d7b4acb] Ingo Diepholz  
Force hgsave() to use the '-v7.3' version just for the case that MATLAB uses a different FIG version in the future

m-toolbox/classes/+utils/@plottools/submitFigure.m | 2 +-  
m-toolbox/classes/@history/isequal.m | 7 +-----  
2 files changed, 6 insertions(+), 3 deletions(-)

-----  
[2014-11-18 13:19:54 +0100][121183f] Ingo Diepholz  
small modifications to save a plot as a FIG file.

m-toolbox/classes/+utils/@plottools/retrieveFigure.m | 6 +-----  
m-toolbox/classes/+utils/@plottools/submitFigure.m | 4 +---  
2 files changed, 5 insertions(+), 5 deletions(-)

-----  
[2014-11-18 12:00:23 +0100][70d663a] Ingo Diepholz  
Allow non LTPDA classes which are derived from the HANDLE class to use this method

m-toolbox/classes/@ltpda\_obj/isequalMain.m | 20 ++++++  
1 file changed, 15 insertions(+), 5 deletions(-)

-----  
[2014-11-18 11:59:25 +0100][5fa9e9c] Ingo Diepholz  
Allow non LTPDA classes to save, load, submit and retrieve XML files.

m-toolbox/classes/@param/attachToDom.m | 8 ++++++  
m-toolbox/classes/@plist/plist2cmds.m | 4 +---  
2 files changed, 10 insertions(+), 2 deletions(-)

-----  
[2014-11-18 10:36:03 +0100][2414ccf] Martin Hewitson  
Two new tools to submit and retrieve plots. Should be much more robust than old system but needs testing on other MATLAB versions.

m-toolbox/classes/+utils/@plottools/plottools.m | 2 +  
.../classes/+utils/@plottools/retrieveFigure.m | 67 ++++++  
m-toolbox/classes/+utils/@plottools/submitFigure.m | 70 ++++++  
3 files changed, 139 insertions(+)

-----  
[2014-11-18 09:29:08 +0100][6274c57] Martin Hewitson  
I don't think this needs to be an error. For example, if we set the axes and/or figure in the plotinfo, then we throw an error here because those object types are not supported. Let's go with a warning.

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

-----  
[2014-11-18 09:28:05 +0100][65bb6b6] Martin Hewitson  
Make sure we cache the objects when plotting.

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

-----  
[2014-11-18 09:27:49 +0100][6df9906] Martin Hewitson  
A new utility to cache objects in the user data of a figure.

.../classes/+utils/@plottools/cacheObjectInUserData.m | 17 ++++++  
m-toolbox/classes/+utils/@plottools/plottools.m | 2 ++  
2 files changed, 19 insertions(+)

-----  
[2014-11-18 09:27:26 +0100][3cedfe1] Martin Hewitson  
If we can't convert to a string using char(), try using double and sprintf. This will work for figure and axis objects, for example.

```

m-toolbox/classes/+utils/@helper/val2str.m | 5 +++-
1 file changed, 4 insertions(+), 1 deletion(-)

-----
[2014-11-08 06:50:25 +0100][831a9e1] Mauro Hueller
Trying to support the format '14-314T08:00:00' to solve MANTIS Issue 0000728 At the moment we have to remove the
final 'Z' from the caller

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

-----
[2014-11-07 14:14:45 +0100][ab74f83] Mauro Hueller
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltppda/ltppda_src into development

-----
[2014-11-07 14:10:09 +0100][f6f720f] Mauro Hueller
Ach. I've been told not to use Matlab's flip since it is not available before Matlab R2013*

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

-----
[2014-11-07 13:07:42 +0100][d952da1] Ingo Diepholz
Add release notes for Non-public release 2.9.2

m-toolbox/html_help/help/helpdoc.xml | 1 +
.../help/ug/releasenotesV2_9_2_content.html | 47 +++++
.../html_help/help/ug/releasenotes_content.html | 9 ++++
3 files changed, 56 insertions(+), 1 deletion(-)

-----
[2014-11-06 18:06:16 +0100][7b9de1f] Ingo Diepholz
New prototype: getObjectByName

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

-----
[2014-11-06 18:06:00 +0100][d5b09a7] Ingo Diepholz
New method GETOBJECTBYNAME which returns an inside object by the name. This method is only necessary for
collection methods because 'subsasgn' and 'subsref' doesn't work inside the class.

m-toolbox/classes/@collection/getObjectByName.m | 22 +++++
1 file changed, 22 insertions(+)

-----
[2014-11-06 16:09:43 +0100][b31db34] Ingo Diepholz
Change output message

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

-----
[2014-11-06 16:09:24 +0100][e4649fa] Ingo Diepholz
Speed up: Exit the loop for the case that a check fail.

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

-----
[2014-11-06 16:03:28 +0100][524b8a7] Ingo Diepholz
Bug fix: In the constructor pzmodel(gain, poles, zeros, name) if the constructor is called by a other method
(callerIsMethod == true)

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

-----
[2014-11-05 16:47:18 +0100][618b882] Martin Hewitson
Do a better job of reselecting the data axes and putting the legend on top.

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

-----
[2014-11-05 16:46:51 +0100][c2ebd46] Martin Hewitson
Support displaying figure handles in plists.

m-toolbox/classes/+utils/@helper/val2str.m | 2 ++
1 file changed, 2 insertions(+)

-----
[2014-11-05 16:46:18 +0100][bb71198] Martin Hewitson
make the provenance axes just as wide as we need otherwise this axis can be confused for the data axes by subplot.
In MATLAB R2014B subplot seems to behave different, and it finds the wrong axes. Or perhaps the ordering of
objects changed in the new system. All in all, our system is not so robust :(

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

```

-----  
[2014-11-05 13:06:45 +0100][e9149c9] Ingo Diepholz  
Add char() function.

m-toolbox/classes/tests/@ltpda\_test\_runner/ltpda\_test\_runner.m | 4 +++  
1 file changed, 4 insertions(+)

-----  
[2014-11-05 12:17:44 +0100][80bcb18] Ingo Diepholz  
Bug fix: In the addHistory step is it necessary to use the history of the input-object before it is modified by some operations. This will suppress the history of the intermediate steps.

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

-----  
[2014-11-04 21:47:20 +0100][f1c0a9c] Mauro Hueller  
Make sure we don't have problems with axes objects

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

-----  
[2014-11-03 17:55:18 +0100][aa0111b] Martin Hewitson  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2014-11-03 17:55:07 +0100][774c812] Martin Hewitson  
Update version number

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

-----  
[2014-11-03 17:15:52 +0100][1f5ad5e] Ingo Diepholz  
Bug fix: Remove workspaceBrowser from installed classes.

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

-----  
[2014-11-03 16:56:12 +0100][2946d3f] Ingo Diepholz  
This method was mainly created for matrix objects which contain a matrix of AOs with single values. But we can use this method also to return for a 5x1 matrix of tsdata with 1000 samples a 1000x5 double array.

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

-----  
[2014-11-03 15:18:39 +0100][1d22aee] Ingo Diepholz  
Remove informations about the LTPDA Workspace browser and LTPDA Workbench. These GUIs are no longer supported in LTPDA.

m-toolbox/html\_help/help/ug/repo\_what\_is\_content.html | 8 +-----  
1 file changed, 2 insertions(+), 6 deletions(-)

-----  
[2014-11-03 15:14:43 +0100][8b2b69f] Ingo Diepholz  
I have forgotten to remove this file because of MANTIS issue 719 (remove LTPDA Workspace Browser). The parent commit is SHA b6b013ca

m-toolbox/classes/@workspaceBrowser/cb\_query.m | 156 -----  
1 file changed, 156 deletions(-)

-----  
[2014-11-03 14:47:38 +0100][6aa599b] Ingo Diepholz  
Merge remote-tracking branch 'origin/Ingo/MANTIS/751\_ao\_setY\_wrong\_nsecs' into development

-----  
[2014-11-03 14:46:45 +0100][b4e791b] Ingo Diepholz  
Overload the function yaxiDataDidChange() to fix the number of seconds. In the following example was the number of seconds wrong: a = ao.randn(1e3,10); a.setY(1:12) The issue here was that we have to calculate the nsecs again because of the evenly sample data and the new size of the y-vector.

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

-----  
[2014-11-03 14:43:49 +0100][e24212f] Ingo Diepholz  
Redefine the method yaxiDataDidChange() because this class inherit this function from both super classes.

m-toolbox/classes/@tfmap/tfmap.m | 8 +++++++  
1 file changed, 8 insertions(+)

-----  
[2014-11-03 14:42:33 +0100][27a3ab3] Ingo Diepholz  
Set the access of the following methods from 'public (hidden)' to 'protected. (I have no idea why I set them to public) yaxiDataDidChange yaxiDataDidChange yaxiDataDidChange yaxiDataWillChange yaxiDataWillChange yaxiDataWillChange

m-toolbox/classes/@data2D/data2D.m | 30 +-----

```

m-toolbox/classes/@data3D/data3D.m | 26 ++++++-----
m-toolbox/classes/@ltpda_data/ltpda_data.m | 28 ++++++-----
3 files changed, 45 insertions(+), 39 deletions(-)

```

-----  
[2014-10-30 16:16:19 +0100][8421a7e] Ingo Diepholz  
"improvements" sounds better than "changes"

```

m-toolbox/html_help/help/ug/releasenotesV2_9_1_content.html | 2 +-
m-toolbox/html_help/help/ug/releasenotesV2_9_content.html | 2 +-
2 files changed, 2 insertions(+), 2 deletions(-)

```

-----  
[2014-10-30 16:14:06 +0100][e2ca7ca] Ingo Diepholz  
Add release notes for 2.9 and 2.9.1

```

m-toolbox/html_help/help/help.toc.xml | 2 ++
m-toolbox/html_help/help/ug/releasenotes_content.html | 16 ++++++-----
2 files changed, 17 insertions(+), 1 deletion(-)

```

-----  
[2014-10-30 16:13:24 +0100][923c137] Ingo Diepholz  
Add release notes for Non-public release 2.9.1

```

.../help/ug/releasenotesV2_9_1_content.html | 47 ++++++-----
1 file changed, 47 insertions(+)

```

-----  
[2014-10-30 16:13:03 +0100][cce2b05] Ingo Diepholz  
Add release notes for Non-public release 2.9

```

.../help/ug/releasenotesV2_9_content.html | 47 ++++++-----
1 file changed, 47 insertions(+)

```

-----  
[2014-10-30 14:45:03 +0100][4b04d48] Ingo Diepholz  
Modify the test to the last change in ao/consolidate:

```

m-toolbox/test/test_ao_consolidate.m | 6 +++--
1 file changed, 3 insertions(+), 3 deletions(-)

```

-----  
[2014-10-30 08:50:58 +0100][9aabb2d] Martin Hewitson  
Added an extra stage to consolidate where we ensure that the output objects all have the same t0. I adopt the policy that the output t0 is taken from the first input A0. This was necessary because there are cases where, although the A0s span the same time range, they can have different t0's and toffsets. This makes a mess later on if you try to do something with this data set, like add them. There our checks that the A0s should have the same x-axis values was failing. Now, in principle we could solve the problem there (where we check the x-axis values) by properly comparing the real time of each sample (t0 + toffset + x(1)) but that will be much slower than what we have now.

```

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

```

-----  
[2014-10-29 15:23:52 +0100][801c59b] Ira Thorpe  
core method for implementing fractional-delay filtering for delaying timeseries

```

m-toolbox/classes/@ao/fdfilt_delay_core.m | 150 ++++++-----
1 file changed, 150 insertions(+)

```

-----  
[2014-10-28 22:06:15 +0100][5649383] Ira Thorpe  
Rework to make matrix/delay track ao/delay more closely

```

m-toolbox/classes/@matrix/delay.m | 40 +++++-----
1 file changed, 5 insertions(+), 35 deletions(-)

```

-----  
[2014-10-28 05:50:13 +0100][c113e9d] Mauro Hueller  
Test updated

```

m-toolbox/test/test_ao_detrend.m | 4 +++-
1 file changed, 2 insertions(+), 2 deletions(-)

```

-----  
[2014-10-28 05:49:49 +0100][1c453d2] Mauro Hueller  
Help updated

```

m-toolbox/classes/@ao/detrend.m | 15 ++++++-----
1 file changed, 8 insertions(+), 7 deletions(-)

```

-----  
[2014-10-28 05:43:42 +0100][3400ae4] Mauro Hueller  
Since the fast C-code implementation is called anyways where is really needed, we can switch to the the default being the M-file implementation, that gives coefficients that can be used.

```

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

```

[2014-10-21 08:49:23 +0200][fdeaab3] Mauro Hueller  
Just an helper variable

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

-----  
[2014-10-21 07:04:53 +0200][82eddd5] Mauro Hueller  
The math here is still wrong. I have to think more carefully.

m-toolbox/classes/@ao/detrend.m | 8 -----  
1 file changed, 8 deletions(-)

-----  
[2014-10-20 09:49:07 +0200][7d7ad02] Mauro Hueller  
Make sure we handle properly the results from c-code implementation. Make sure we do it only in the case we actually use that implementation.

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

-----  
[2014-10-20 09:06:44 +0200][77a7dcf] Mauro Hueller  
Bug fix: we need to flip the coefficients vector

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

-----  
[2014-10-15 15:20:40 -0400][a793a57] jslutsky  
added cumtrapz method option, in addition to the existing trapz, default unchanged

m-toolbox/classes/@ao/integrate.m | 15 ++++++++-  
1 file changed, 13 insertions(+), 2 deletions(-)

-----  
[2014-10-14 13:44:16 -0400][7a3d6a9] Ira Thorpe  
changed default window

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

-----  
[2014-10-14 13:28:28 -0400][43b8c02] Ira Thorpe  
changed fftfilter option to use utils.math.fftdelay\_core method

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

-----  
[2014-10-14 13:20:23 -0400][826c5aa] Ira Thorpe  
Added option to use fractional delay filtering

m-toolbox/classes/@ao/delay.m | 21 ++++++++-  
1 file changed, 18 insertions(+), 3 deletions(-)

-----  
[2014-10-13 15:09:51 -0400][e0ec113] Ira Thorpe  
Added core method for fractional delay filtering (different from existing method)

m-toolbox/classes/+utils/@math/fdfilt\_delay\_core.m | 145 +++++++  
m-toolbox/classes/+utils/@math/math.m | 1 +  
2 files changed, 146 insertions(+)

-----  
[2014-10-13 15:09:12 -0400][45e19f5] Ira Thorpe  
tab issue with editor

m-toolbox/classes/+utils/@math/fftdelay\_core.m | 0  
1 file changed, 0 insertions(+), 0 deletions(-)

-----  
[2014-10-10 08:01:38 +0200][5616ca1] Martin Hewitson  
Updated the default exception list to include Hz. We can discuss this, but I think it's the right move. Also, the exception list was not properly passed to the applyOffsetForAbsTemp sub function.

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

-----  
[2014-10-08 09:28:08 -0400][5b89d76] Ira Thorpe  
Logic to handle case where no outliers are found.

m-toolbox/classes/@ao/detectOutliers.m | 13 +++++++  
1 file changed, 13 insertions(+)

-----  
[2014-10-07 08:52:50 +0200][2c56040] Martin Hewitson  
Some bug fixes to the plist handling.

m-toolbox/classes/@ao/detectOutliers.m | 7 +-----

1 file changed, 1 insertion(+), 6 deletions(-)

-----  
[2014-10-02 15:50:29 -0400][ea64a4e] Ira Thorpe  
Merge branch 'GSFC/vectorize\_diff' into development

-----  
[2014-10-02 20:44:30 +0200][482c935] danielvetrugno  
Few lines just to print the relative error on the screen.

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

-----  
[2014-10-02 07:53:33 +0200][2da52b7] Martin Hewitson  
Bug fix: the input history needs to be captured early before any processing is done.

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

-----  
[2014-10-01 21:52:26 -0400][7be63b9] Ira Thorpe  
vectorized diff3p

m-toolbox/classes/@ao/diff3p\_core.m | 16 ++++++-----  
1 file changed, 10 insertions(+), 6 deletions(-)

-----  
[2014-10-01 18:29:43 +0200][390dafa] Nikos  
Bug fix: key was put out of the cell array and later ignored

m-toolbox/m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-09-30 10:13:36 +0200][27e63a5] Martin Hewitson  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2014-09-30 10:01:24 +0200][7619dc5] Martin Hewitson  
Use the new factory plist.

m-toolbox/classes/@ao/dtfe.m | 8 +-----  
1 file changed, 1 insertion(+), 7 deletions(-)

-----  
[2014-09-30 10:01:13 +0200][548e208] Martin Hewitson  
Enhanced to allow windowing and scaling of the measurements.

m-toolbox/classes/@ao/dft.m | 25 ++++++-----  
1 file changed, 23 insertions(+), 2 deletions(-)

-----  
[2014-09-30 10:00:47 +0200][65bfc17] Martin Hewitson  
A new method for windowing time-series.

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

-----  
[2014-09-30 09:59:50 +0200][4808d4f] Martin Hewitson  
Refactored the window related keys into a new factory plist.

m-toolbox/classes/@plist/plist.m | 35 ++++++-----  
1 file changed, 25 insertions(+), 10 deletions(-)

-----  
[2014-09-29 15:42:23 -0400][4424579] Ira Thorpe  
added core function for implementing fft delay on doubles (for use inside mfh models)

m-toolbox/classes/+utils/@math/fftdelay\_core.m | 60 ++++++-----  
m-toolbox/classes/+utils/@math/math.m | 1 +  
2 files changed, 61 insertions(+)

-----  
[2014-09-26 20:45:52 +0200][d121b0b] Nikos  
Bug fix, create figure each time. Also added the single line choose for the contour

m-toolbox/classes/@MCMC/plotLogLikelihood.m | 13 ++++++--  
1 file changed, 12 insertions(+), 1 deletion(-)

-----  
[2014-09-26 15:55:33 +0200][c71cd87] Ingo Diepholz  
Bug fix in split by offset: We had defined for this split type an toffset but that offset was wrong defined. Before it contained only the toffset but it must also contain the x(1).

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

-----  
[2014-09-25 20:05:49 +0200][8facada] Nikos

## Adapting the built-in model

```
.../built_in_models/mfh/mfh_model_loglikelihood.m | 50 ++++++-----  
1 file changed, 37 insertions(+), 13 deletions(-)
```

-----  
[2014-09-25 20:05:03 +0200][458894b] Nikos  
Added more clear help, and the possibility to de-trend the data segments

```
m-toolbox/classes/@mfh/loglikelihood_core_log.m | 36 ++++++-----  
1 file changed, 17 insertions(+), 19 deletions(-)
```

-----  
[2014-09-25 16:27:14 +0200][e1f8c97] Martin Hewitson  
Bug fix: spectrogram was not properly dealing with the xoffset etc.

```
m-toolbox/classes/@ao/spectrogram.m | 3 +--  
1 file changed, 1 insertion(+), 2 deletions(-)
```

-----  
[2014-09-24 13:39:44 +0200][9105749] Nikos  
Update on the logarithmic likelihood

```
m-toolbox/classes/@mfh/loglikelihood_core_log.m | 96 +++++-----  
.../built_in_models/mfh/mfh_model_loglikelihood.m | 14 +--  
2 files changed, 37 insertions(+), 73 deletions(-)
```

-----  
[2014-09-24 10:48:15 +0200][ecfd4e6] Nikos  
Bug fix, forgot to add the colour here

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

-----  
[2014-09-24 10:39:40 +0200][97f669f] Nikos  
Added another plist key

```
m-toolbox/classes/@pest/mcmcPlot.m | 21 ++++++-----  
1 file changed, 20 insertions(+), 1 deletion(-)
```

-----  
[2014-09-23 17:53:44 +0200][88fc684] Martin Hewitson  
Bug fix: stderr is not a valid MATLAB command. For printing to standard error, we use a 2, as per the help of fprintf.

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

-----  
[2014-09-22 18:26:25 +0200][dbcabaf] Ingo Diepholz  
Update to the new unit test template

```
.../@models/built_in_model_unittest_template.m | 28 ++++++-----  
.../classes/+utils/@models/makeBuiltInModel.m | 26 ++++++-----  
2 files changed, 29 insertions(+), 25 deletions(-)
```

-----  
[2014-09-22 11:42:31 +0200][f4d3d5a] Martin Hewitson  
Update dev version

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

-----  
[2014-09-20 18:24:32 +0200][7ca17e3] Nikos  
Bug fix: Added the case where there two inputs in a function, like in the case of a proposal PDF.

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

-----  
[2014-09-20 18:23:44 +0200][678ab5e] Nikos  
Missing plist key here

```
m-toolbox/m/built_in_models/mfh/mfh_model_loglikelihood.m | 5 +++++  
1 file changed, 5 insertions(+)
```

-----  
[2014-09-19 11:45:35 +0200][d1710c7] Ingo Diepholz  
Merge remote-tracking branch 'origin/development' into Ingo/fix\_param\_origin

-----  
[2014-09-18 15:47:53 -0400][1fd9799] Ira Thorpe  
fixed typo

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

-----  
[2014-09-18 15:47:37 -0400][b3d8811] Ira Thorpe

Extended matrix/cross to handle Nx3 matrices

m-toolbox/classes/@matrix/cross.m | 49 ++++++-----  
1 file changed, 29 insertions(+), 20 deletions(-)

-----  
[2014-09-15 12:28:10 +0200][787922c] Luigi Ferraioli  
introduced the possibility of calculating errors from the hessian matrix of the cost function. Moreover if you have information on the y errors of the data you can input them and the information is used to get the correct error

m-toolbox/classes/@mfh/getFitErrors.m | 121 ++++++-----  
m-toolbox/classes/@mfh/paramCovMat.m | 166 ++++++-----  
2 files changed, 284 insertions(+), 3 deletions(-)

-----  
[2014-09-11 16:47:27 +0200][725b3c2] Luigi Ferraioli  
a function to calculate Hessian Matrix of cost functions

m-toolbox/classes/@mfh/getHessian.m | 159 ++++++-----  
1 file changed, 159 insertions(+)

-----  
[2014-09-04 16:20:15 +0200][fc154df] Mauro Hueller  
Make the time-zone explicit in the default values for parameters.

m-toolbox/classes/@ao/ao.m | 10 +++++-  
m-toolbox/classes/@plist/plist.m | 2 +-  
2 files changed, 6 insertions(+), 6 deletions(-)

-----  
[2014-09-04 15:18:11 +0200][c63ba07] Mauro Hueller  
Changed empty unit representation from '' to [] just to have them represented in the same way in the parameter description

m-toolbox/classes/@ao/ao.m | 40 ++++++-----  
1 file changed, 20 insertions(+), 20 deletions(-)

-----  
[2014-09-04 08:16:07 +0200][4b1ffdf] Mauro Hueller  
Use the getter to make sure we have unit objects to enter the char() method

m-toolbox/classes/@cdata/display.m | 2 +-  
m-toolbox/classes/@data2D/display.m | 4 +---  
m-toolbox/classes/@data3D/display.m | 6 +---  
3 files changed, 6 insertions(+), 6 deletions(-)

-----  
[2014-09-03 07:31:04 +0200][5be6c53] Mauro Hueller  
Whitespacing

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

-----  
[2014-09-02 11:10:18 +0200][cef96fa] Mauro Hueller  
A method to check if an unit object is empty, meaning is equal to unit()

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

-----  
[2014-09-01 18:24:44 +0200][9dec6f5] Ingo Diepholz  
It is more elegant to use MATLABs repmat() function instead of a loop.

m-toolbox/classes/+utils/@prog/strpad.m | 11 +++++-  
1 file changed, 5 insertions(+), 6 deletions(-)

-----  
[2014-09-01 14:04:33 +0200][4bd9d92] Ingo Diepholz  
Add trouble shoot for Java 7 UnknownHostException error.

.../help/ug/trouble\_shooting\_content.html | 43 ++++++-----  
1 file changed, 35 insertions(+), 8 deletions(-)

-----  
[2014-09-01 08:55:12 +0200][2102aec] Martin Hewitson  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpra/ltpra\_src into development

-----  
[2014-09-01 08:54:58 +0200][c3f382c] Martin Hewitson  
Improved display

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

-----  
[2014-08-28 17:56:36 +0200][fcb4687] Ingo Diepholz  
Bug fix of a fix: The unique() options 'first' and 'stable' are NOT the same because 'first' still sorts the result. It is necessary to sort the indices to get the same results as 'stable'

```

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

-----
[2014-08-28 17:01:52 +0200][385b4b1] Ingo Diepholz
The flag 'first' of MATLABs unique() function is since R2012b a legacy option. But we still support R2011a. That's
the reason why we can't use the option 'stable'.

m-toolbox/classes/@pest/table.m | 4 +++
m-toolbox/classes/@smodel/sum.m | 2 ++
2 files changed, 5 insertions(+), 1 deletion(-)

-----
[2014-08-28 13:17:40 +0200][ea73cc0] Ingo Diepholz
Bug fix: I didn't know that this method accepts also multiple inputs. That means that I have to collect all epoch
times with square brackets.

m-toolbox/classes/@time/minus.m | 10 +++++-----
m-toolbox/classes/@time/plus.m | 10 +++++-----
2 files changed, 12 insertions(+), 8 deletions(-)

-----
[2014-08-27 18:19:56 +0200][28d044d] Ingo Diepholz
It is safer to use the milliseconds instead of seconds (epoch time divided by 1000) to avoid numerical errors. For
example the old code produce a numerical error for the commands: nsecs = 765.32; startTime = time(1234.5);
stopTime = startTime + nsecs; double(stopTime - startTime) - nsecs

m-toolbox/classes/@time/minus.m | 14 +++++-----
m-toolbox/classes/@time/plus.m | 14 +++++-----
2 files changed, 14 insertions(+), 14 deletions(-)

-----
[2014-08-27 18:11:44 +0200][d2f7e59] Ingo Diepholz
Some more changes to the param origin.

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

-----
[2014-08-25 17:07:16 +0200][7cf5b5f] Ingo Diepholz
Use as the default origin method the first stack method because I have already filtered out the param/plist
methods.

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

-----
[2014-08-25 17:05:42 +0200][b63bc9e] Ingo Diepholz
Add another rule which selects the origin method behind 'getDefaultPlist'. This is necessary for methods who uses
ao/applymethod like ao/max.

m-toolbox/classes/@param/param.m | 8 ++++++
1 file changed, 8 insertions(+)
```

```

-----
[2014-08-25 17:03:44 +0200][bd96a14] Ingo Diepholz
Filter out first param/plist methods from the stack.

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

```

-----
[2014-08-22 13:09:36 +0200][85198bd] Mauro Hueller
Updated syntax and outputs

.../html_help/help/ug/ssm_modify_content.html | 310 +++++-----
1 file changed, 86 insertions(+), 224 deletions(-)

-----
[2014-08-20 18:31:09 +0200][c9f7e07] Nikos
Merge branch 'development' into NK/diag_spectrum_matrix

-----
[2014-08-20 18:30:33 +0200][1d1bbb] Nikos
Improved plotting: Ellipsoids in 1, 2, and 3 sigmas of the chains.

m-toolbox/classes/@pest/mcmcPlot.m | 108 ++++++-----
1 file changed, 94 insertions(+), 14 deletions(-)

-----
[2014-08-20 17:33:15 +0200][52a3f24] Ingo Diepholz
Use for the parameter origin the following rules: 1) The method behind the first 'getInfo' 2) The last stack
function

m-toolbox/classes/@param/param.m | 40 ++++++-----
1 file changed, 19 insertions(+), 21 deletions(-)

-----
[2014-08-19 17:43:17 +0200][f3be94f] Ingo Diepholz
Add a special case for the origin of default PLIST from a constructor. For example ao.getInfo('ao', 'From MAT
File')
```

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

-----  
[2014-08-19 17:26:48 +0200][c5d479a] Ingo Diepholz  
Merge remote-tracking branch 'origin/development' into Ingo/fix\_param\_origin

-----  
[2014-08-19 17:23:25 +0200][3212974] Ingo Diepholz  
It is faster to use relational operators for meta class objects as instead to collect all super classes in a loop.

m-toolbox/classes/+utils/@helper/generic\_getInfo.m | 20 ++++++-----  
1 file changed, 13 insertions(+), 7 deletions(-)

-----  
[2014-08-19 17:21:18 +0200][a964350] Ingo Diepholz  
Add the initObjectWithSize() method as a abstract method because it is used for generic\_getInfo() function which is essential for LTPDA.

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

-----  
[2014-08-19 16:28:26 +0200][f153e86] Ingo Diepholz  
Change order of the classes: Because of the utils.helper.generic\_getInfo method is it better to have the user classes on top of the file.

m-toolbox/classes/+utils/@helper/ltpda\_classes.m | 34 ++++++-----  
1 file changed, 17 insertions(+), 17 deletions(-)

-----  
[2014-08-19 15:38:26 +0200][1a54227] Ingo Diepholz  
Use the MATLAB function mfilename() instead of a string with the filename.

m-toolbox/classes/@matrix/cohere.m | 2 +-  
m-toolbox/classes/@matrix/crb.m | 4 +---  
m-toolbox/classes/@matrix/filtfilt.m | 4 +---  
m-toolbox/classes/@matrix/iplot.m | 2 +-  
m-toolbox/classes/@matrix/lincom.m | 4 +---  
m-toolbox/classes/@matrix/lscov.m | 4 +---  
m-toolbox/classes/@matrix/mcmc.m | 3 +--  
m-toolbox/classes/@matrix/modelSelect.m | 3 +--  
m-toolbox/classes/@matrix/spdsSubtraction.m | 2 +-  
9 files changed, 12 insertions(+), 16 deletions(-)

-----  
[2014-08-19 15:34:39 +0200][d94cadb] Ingo Diepholz  
Bug fix: These methods doesn't have the sets of the A0 split method. They just have the set 'Default' with an empty PLIST. I'm sure that this was an copy/paste mistake.

m-toolbox/classes/@collection/objTypes.m | 3 +--  
m-toolbox/classes/@collection/toCell.m | 3 +--  
m-toolbox/classes/@collection/unpack.m | 3 +--  
m-toolbox/classes/@matrix/unpack.m | 3 +--  
4 files changed, 4 insertions(+), 8 deletions(-)

-----  
[2014-08-19 14:31:27 +0200][90e168a] Ingo Diepholz  
New method to set the 'origin' of a parameter.

m-toolbox/classes/@param/setOrigin.m | 19 ++++++-----  
1 file changed, 19 insertions(+)

-----  
[2014-08-19 14:27:47 +0200][7a2b8fc] Ingo Diepholz  
Bug fix: Make sure that we copy the default PLISTS if we use them from other methods. The issue is that these PLISTS are stored in a persistent variables and modification to this pointer will kept in the persistent variable.

m-toolbox/classes/@ao/confint.m | 2 +-  
m-toolbox/classes/@ao/dtfe.m | 2 +-  
m-toolbox/classes/@ao/interpmissing.m | 4 +---  
m-toolbox/classes/@ao/iplotyy.m | 2 +-  
m-toolbox/classes/@ao/whiten1D.m | 2 +-  
m-toolbox/classes/@ao/zeropad.m | 2 +-  
6 files changed, 6 insertions(+), 8 deletions(-)

-----  
[2014-08-18 22:03:30 +0200][713d0e9] Mauro Hueller  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2014-08-18 18:51:06 +0200][e14dcce] Ingo Diepholz  
Bug fix: It is necessary to copy the 'origin' property.

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

-----  
[2014-08-18 18:51:06 +0200][6be0666] Ingo Diepholz  
Bug fix: It is necessary to copy the 'origin' property.

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

-----  
[2014-08-18 18:48:32 +0200][2ff05c3] Ingo Diepholz  
I'm playing with the rules to identify the correct origin.

m-toolbox/classes/@param/param.m | 61 ++++++-----  
1 file changed, 36 insertions(+), 25 deletions(-)

-----  
[2014-08-18 17:31:03 +0200][757612a] Ingo Diepholz  
Bug fix: Make sure that we copy the PLIST if we get it with the getInfo(...) command and modify it.

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

-----  
[2014-08-18 17:28:51 +0200][d8aea5a] Ingo Diepholz  
Bug fix: The origin of the 'interpolation' was wrong -> Set a new origin.

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

-----  
[2014-08-18 17:28:01 +0200][6acb689] Ingo Diepholz  
Add a special case for constructor PLISTs because they don't follow the current rule.

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

-----  
[2014-08-18 17:26:50 +0200][1090c56] Ingo Diepholz  
Filter out some more exceptions. Like 'applymethod', 'setPropertyValue' which break the current rule.

m-toolbox/classes/@param/param.m | 7 +++-----  
1 file changed, 3 insertions(+), 4 deletions(-)

-----  
[2014-08-18 17:24:47 +0200][c048839] Ingo Diepholz  
Bug fix: Remove the storing of the PLIST factories in a persistent variable because this destroys the 'origin' of the methods who use the same PLIST factory. For example ao/sin and ao/cos use both the factory AXIS\_1D\_PLIST or ao/submit and ao/update use the factory plist.DATABASE\_CONNECTION\_PLIST. And all AO methods store their own default PLIST in a persistent variable anyway so that we don't loose any speed.

m-toolbox/classes/@plist/plist.m | 139 ++++++-----  
1 file changed, 27 insertions(+), 112 deletions(-)

-----  
[2014-08-18 13:38:40 +0200][f1e0e36] Mauro Hueller  
Removed sections about deprecated methods. Make sure the examples work.

.../help/ug/ssm\_build\_description\_content.html | 332 ++++++-----  
1 file changed, 115 insertions(+), 217 deletions(-)

-----  
[2014-08-18 12:53:11 +0200][7802aa1] Mauro Hueller  
This was heavily broken, but I am not sure it is the perfect fix.

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

-----  
[2014-08-18 12:49:54 +0200][0fc57e2] Mauro Hueller  
Help fixed

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

-----  
[2014-08-18 09:26:54 +0200][c481062] Mauro Hueller  
Small changes, more work to do here

.../html\_help/help/ug/ssm\_assemble\_content.html | 28 +-----  
.../help/ug/ssm\_build\_description\_content.html | 67 ++++++-----  
2 files changed, 49 insertions(+), 46 deletions(-)

-----  
[2014-08-15 13:51:23 +0200][e33e4ea] Ingo Diepholz  
Bug fix: I have used the wrong syntax as in utils.helper.ltpda\_classes

m-toolbox/classes/+utils/@helper/ltpda\_non\_abstract\_classes.m | 9 +++-----  
1 file changed, 4 insertions(+), 5 deletions(-)

-----  
[2014-08-15 13:49:19 +0200][1b8fb58] Ingo Diepholz  
Set the access of the function 'setPropertyValue\_core' to 'protected'

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

-----  
[2014-08-15 13:44:43 +0200][e0cf899] Ingo Diepholz  
Use the same order as in utils.helper.ltpda\_classes

.../utils/@helper/ltpda\_non\_abstract\_classes.m | 52 ++++++-----  
1 file changed, 38 insertions(+), 14 deletions(-)

-----  
[2014-08-15 13:42:48 +0200][6e14e84] Ingo Diepholz  
The order was nice but the syntax was wrong.

m-toolbox/classes/+utils/@helper/ltpda\_classes.m | 15 +++++-----  
1 file changed, 7 insertions(+), 8 deletions(-)

-----  
[2014-08-15 13:34:05 +0200][0985090] Ingo Diepholz  
I have grouped the class names in a different order. The reason was that I couldn't find what I was looking for.

m-toolbox/classes/+utils/@helper/ltpda\_classes.m | 66 ++++++-----  
1 file changed, 48 insertions(+), 18 deletions(-)

-----  
[2014-08-14 11:34:17 -0400][99d8d14] Ira Thorpe  
overloaded simplifyYunits for ltpda\_container objects (matrix, collection, etc)

.../classes/@ltpda\_container/simplifyYunits.m | 108 ++++++-----  
1 file changed, 108 insertions(+)

-----  
[2014-08-14 11:33:20 -0400][c6ea098] Ira Thorpe  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2014-08-13 17:08:01 +0200][c33d353] AndreasWittchen  
matlabs plotyy changes the YTickMode to 'manual', since we use the y scaling from matlab, it makes sense to also use the y ticks.

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

-----  
[2014-08-13 15:06:18 +0200][8c038d6] Ingo Diepholz  
Bug fix: For zooming it is necessary that the 'hittest' of the left axes is 'on'

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

-----  
[2014-08-13 13:24:04 +0200][c770fe0] Ingo Diepholz  
Add callerIsMethod feature because of MANTIS issue 797.

m-toolbox/classes/@pzmodel/tomfir.m | 7 +++++  
m-toolbox/classes/@pzmodel/tomiir.m | 7 +++++  
2 files changed, 14 insertions(+)

-----  
[2014-08-07 15:11:58 -0400][a0737f4] Ira Thorpe  
fixed issue with 2D arrays

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

-----  
[2014-08-07 14:49:50 -0400][ebba22c] Ira Thorpe  
Overloaded ao/delay for matrix objects

m-toolbox/classes/@matrix/delay.m | 158 ++++++-----  
1 file changed, 158 insertions(+)

-----  
[2014-08-07 14:08:45 +0200][4beb0a5] Ingo Diepholz  
Regarding to the MANTIS issue 796 have I added the the data cursor tooltip which we use for ao/plot(). Additional to this it is now possible to click on the data points of the left axes().

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

-----  
[2014-08-05 14:50:44 +0200][4967b41] Ingo Diepholz  
New method which sets the property 'names' of a collection object.

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

-----  
[2014-08-05 09:44:06 +0200][ee08523] Mauro Hueller  
Let's not go for the shortcut if the (only) value is a complex number.

m-toolbox/classes/+utils/@helper/val2str.m | 4 +---  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2014-08-04 17:34:47 +0200][b00d396] Ingo Diepholz  
Add feature: Map the short name of zone in daylight saving time to the corresponding time zone ID because these short names are not supported as time zone IDs.

m-toolbox/classes/@time/parse.m | 25 ++++++-----  
1 file changed, 19 insertions(+), 6 deletions(-)

-----  
[2014-08-04 16:29:23 +0200][a4f0972] Ingo Diepholz  
I have forgotten to support GMT+01:00 as timezones.

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

-----  
[2014-08-04 16:08:35 +0200][5f2f0f3] Ingo Diepholz  
Add for the error output the command to get ALL supported timezone IDs.

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

-----  
[2014-08-04 15:52:40 +0200][4ea0456] Ingo Diepholz  
1. Throw an error if the user uses a not supported time zone ID like: CEST 2. Add conversion for four-letter time zone IDs like: Cuba, Eire, GMT0, Zulu, Iran, W-SU ()

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

-----  
[2014-08-04 12:21:13 +0200][572a4ef] Mauro Hueller  
Updated syntax and output

.../help/ug/ssm\_build\_built\_in\_content.html | 70 ++++++-----  
1 file changed, 35 insertions(+), 35 deletions(-)

-----  
[2014-08-04 12:20:50 +0200][56b8db8] Mauro Hueller  
Fixed typo in description fields

m-toolbox/m/built\_in\_models/ssm/ssm\_model\_SMD.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-08-04 12:04:10 +0200][b5b50d9] Mauro Hueller  
Fixed typo in description

m-toolbox/m/built\_in\_models/ssm/ssm\_model\_SMD.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-08-04 11:36:33 +0200][72e8f53] Mauro Hueller  
Removed unsupported syntax

m-toolbox/html\_help/help/ug/ssm\_building\_content.html | 4 +--  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2014-08-04 09:53:29 +0200][b3857f0] Mauro Hueller  
Updated

.../html\_help/help/ug/ssm\_building\_content.html | 35 +-----  
m-toolbox/html\_help/help/ug/ssm\_content.html | 4 +-  
.../help/ug/ssm\_introduction\_content.html | 98 ++++++-----  
3 files changed, 83 insertions(+), 54 deletions(-)

-----  
[2014-08-04 09:53:09 +0200][ac3d541] Mauro Hueller  
Cosmetics

m-toolbox/html\_help/help/ug/franklin\_ng\_content.html | 0  
1 file changed, 0 insertions(+), 0 deletions(-)

-----  
[2014-08-01 09:27:50 +0200][c08768c] Mauro Hueller  
Typos

m-toolbox/html\_help/help/ug/builtin\_models\_plist\_content.html | 4 +--  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2014-08-01 09:25:03 +0200][8cfda47] Mauro Hueller  
Expanded the section about plist built-in models, and its usage in the ao constructor

.../help/ug/builtin\_models\_plist\_content.html | 107 ++++++-----  
.../html\_help/help/ug/images/model\_content.png | Bin 0 -> 172937 bytes  
2 files changed, 105 insertions(+), 2 deletions(-)

[2014-08-01 09:24:05 +0200][76eda0a] Mauro Hueller  
Swapped order of sections

m-toolbox/html\_help/help/helptoc.xml | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-08-01 08:49:34 +0200][93df6b4] Mauro Hueller  
Harmonized with other models

m-toolbox/m/built\_in\_models/plist/plist\_model\_physical\_constants.m | 4 +++  
1 file changed, 4 insertions(+)

-----  
[2014-07-31 13:35:09 +0200][aa4e3e6] Mauro Hueller  
Minor

m-toolbox/html\_help/help/ug/builtin\_models\_ao\_content.html | 6 +++--  
1 file changed, 3 insertions(+), 3 deletions(-)

-----  
[2014-07-31 13:31:23 +0200][7c9c711] Mauro Hueller  
Added a reference to the section on plist built-in models.

m-toolbox/html\_help/help/ug/builtin\_models\_content.html | 1 +  
1 file changed, 1 insertion(+)

-----  
[2014-07-31 13:28:59 +0200][830747a] Mauro Hueller  
Added a reference to the section on plist built-in models.

m-toolbox/html\_help/help/helptoc.xml | 1 +  
.../html\_help/help/ug/builtin\_models\_plist\_content.html | 17 +++++  
.../html\_help/help/ug/builtin\_models\_ssm\_content.html | 4 +--  
3 files changed, 20 insertions(+), 2 deletions(-)

-----  
[2014-07-31 13:21:05 +0200][497da57] Mauro Hueller  
Updated list of classes wit built-in models

m-toolbox/html\_help/help/ug/builtin\_models\_content.html | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-07-31 13:20:23 +0200][06b1d02] Mauro Hueller  
Changed to allow running a test

m-toolbox/html\_help/help/ug/plist\_create\_content.html | 4 +--  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2014-07-31 11:21:14 +0200][d6eb3f7] Mauro Hueller  
Little improvements, updated expected response

m-toolbox/html\_help/help/ug/objects\_working\_content.html | 13 +++-----  
1 file changed, 4 insertions(+), 9 deletions(-)

-----  
[2014-07-31 11:20:41 +0200][211bc63] Mauro Hueller  
Updated to reflect recent changes in unit class

m-toolbox/html\_help/help/ug/ltpda\_units\_content.html | 4 +--  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2014-07-31 11:20:23 +0200][4a11d99] Mauro Hueller  
Bug fixed in example code

m-toolbox/html\_help/help/ug/ltpda\_units\_content.html | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-07-31 11:20:04 +0200][5647639] Mauro Hueller  
Minor update and a little bug fix in example code

m-toolbox/html\_help/help/ug/ao\_create\_content.html | 6 +++--  
1 file changed, 3 insertions(+), 3 deletions(-)

-----  
[2014-07-28 15:18:46 +0200][b0e3d77] Martin Hewitson  
Swap the order of priority for 'built-in' and 'filename' since it can be that a built-in model uses a key 'filename' which wouldn't work before. And probably 'built-in' is more unique than 'filenames'.

m-toolbox/classes/@ao/ao.m | 19 +++++-----  
1 file changed, 10 insertions(+), 9 deletions(-)

-----  
[2014-07-24 13:34:57 -0400][919ccc6] James Ira Thorpe  
Overload ao/subsData for ltpda\_container objects

m-toolbox/classes/@ltpda\_container/subsData.m | 108 ++++++

1 file changed, 108 insertions(+)

---

[2014-07-24 11:10:01 +0200][8ddf0bb] Ingo Diepholz

Bug fix in fs-plot: The 'c' counter for indexing the different axes of complex plots wasn't right for real plots.

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

---

[2014-07-24 11:07:12 +0200][7eb5be5] Ingo Diepholz

Bug fix in fs-plot: Use the value from the PLIST as the default y-label for real-plots.

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

---

[2014-07-24 10:12:38 +0200][c87e910] Ingo Diepholz

Bug fix: It is not enough to remove only the objects it is also necessary to remove the corresponding inside object name.

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

---

[2014-07-24 09:57:39 +0200][4e87e60] Martin Hewitson

This is a workaround for the bug in new MATLAB (2014b) which really doesn't like plotting error bars with x=0 and log scale. So we restrict plotting to x>0 for error bar plots and frequency series.

m-toolbox/classes/@ao/iplot.m | 13 ++++++++  
1 file changed, 13 insertions(+)

---

[2014-07-23 15:58:37 -0400][6cfb455] James Ira Thorpe

Computes mean values along specified dimension for matrix objects. Can handle mean of tsdata, fsdata, xydata, etc.

m-toolbox/classes/@matrix/mean.m | 141 +++++  
1 file changed, 141 insertions(+)

---

[2014-07-21 14:46:04 +0200][503f675] Mauro Hueller

Updated test

m-toolbox/test/test\_ao\_polyfit.m | 4 +---  
1 file changed, 1 insertion(+), 3 deletions(-)

---

[2014-07-20 10:36:18 +0200][c777a5c] Martin Hewitson

Proper configuration of the output object with regards name, history, etc.

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

---

[2014-07-20 10:15:40 +0200][b86ec0d] Martin Hewitson

Discrete transfer function estimate. Fairly basic so - just computing the ratio of the DFTs but with some useful options.

m-toolbox/classes/@ao/dtfe.m | 197 +++++  
1 file changed, 197 insertions(+)

---

[2014-07-20 10:15:11 +0200][f43c5b8] Martin Hewitson

Return the real or imaginary part of the errors, as appropriate.

m-toolbox/classes/@ao/imag.m | 2 +-  
m-toolbox/classes/@ao/real.m | 2 +-  
2 files changed, 2 insertions(+), 2 deletions(-)

---

[2014-07-19 07:47:09 +0200][147e138] Martin Hewitson

I think it's better to put the filter used in the procinfo. Resample doesn't allow handling the filter history anyway, so it's just for info. And changing the history plist causes issues.

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

---

[2014-07-18 16:13:38 +0200][dd69b46] Nikos

Merge branch 'development' into NK/diag\_spectrum\_matrix

---

[2014-07-18 16:13:09 +0200][73bd5b7] Nikos

Removed the out-of-bounds check, since it's moved into the MCMC.mhsample function. Avoid code duplication

m-toolbox/classes/@MCMC/checkXo.m | 16 +-----  
1 file changed, 1 insertion(+), 15 deletions(-)

---

[2014-07-18 16:12:28 +0200][db026c8] Nikos

Added a check if the initial parameter guess is out of bounds. If it is, a random parameter vector is chosen between the ranges specified.

m-toolbox/classes/@MCMC/mhsample.m | 18 ++++++-----  
1 file changed, 16 insertions(+), 2 deletions(-)

-----  
[2014-07-18 08:42:26 -0400][7eca1b1] James Ira Thorpe  
now propagates name and descriptions as well for constructor from collection

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

-----  
[2014-07-18 06:34:26 +0200][5667b27] Martin Hewitson  
Put the actual filter used in the history plist. Maybe this is wrong. An alternative would be to put it in the procinfo. Or both.

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

-----  
[2014-07-18 06:33:39 +0200][9534a5b] Martin Hewitson  
Ensure we include any toffset and offset in the x vector in the final TF map.

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

-----  
[2014-07-17 22:24:26 -0400][90e2536] James Ira Thorpe  
constructor from collection now handles arrays of collection objects (and returns arrays of matrix objects)

m-toolbox/classes/@matrix/matrix.m | 16 ++++++-----  
1 file changed, 10 insertions(+), 6 deletions(-)

-----  
[2014-07-17 20:44:30 +0200][15cc421] Martin Hewitson  
Include a human readable version of the data length.

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

-----  
[2014-07-17 20:44:11 +0200][353bb77] Martin Hewitson  
A new method which returns a cell-array of strings, one element per input timespan, where each string is a human readable representation of the interval.

m-toolbox/classes/@timespan/human.m | 84 ++++++-----  
1 file changed, 84 insertions(+)

-----  
[2014-07-17 20:43:13 +0200][835c24c] Martin Hewitson  
A new static method which interprets a double as a time interval and returns a human readable string representing that time interval.

m-toolbox/classes/@timespan/timespan.m | 72 ++++++-----  
1 file changed, 72 insertions(+)

-----  
[2014-07-17 10:10:16 +0200][6d7f53c] Mauro Hueller  
Simplified the code by calling the smodel/setExpr method

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

-----  
[2014-07-17 10:09:47 +0200][75ecef] Mauro Hueller  
Added a method to set the expression of a model

m-toolbox/classes/@smodel/setExpr.m | 131 ++++++-----  
1 file changed, 131 insertions(+)

-----  
[2014-07-17 10:09:15 +0200][847bdfb] Mauro Hueller  
Cosmetics

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

-----  
[2014-07-17 08:34:17 +0200][80d7ce8] Martin Hewitson  
Be a little more forgiving with regards units of objects. The reason for this is, it can be that we have time-series objects in a repository that for some time had wrong units, which were then corrected. In which case it's not really an error to try to join them. So I took the approach to first of all check if the units are empty (so I think it's ok to join two objects if one has empty units) and if not empty, just give a warning rather than an error. To be discussed.

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

[2014-07-17 07:55:51 +0200][8b3f482] Martin Hewitson  
Show an example below the parameter table.

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

[2014-07-17 07:55:30 +0200][391f4aa] Martin Hewitson  
A slightly nicer and more robust string() method which is useful to show example plists in our documentation.

m-toolbox/classes/@plist/string.m | 9 ++++++  
1 file changed, 7 insertions(+), 2 deletions(-)

[2014-07-17 06:39:31 +0200][db7df78] Mauro Hueller  
Bug fixed: in the case of 'rescaled' fitting we need to take into account it into the output. I decided for simplicity to do it at the model level, replacing x with (x-u)/sigma

m-toolbox/classes/@ao/polyfit.m | 18 ++++++  
1 file changed, 13 insertions(+), 5 deletions(-)

[2014-07-16 11:23:35 -0400][5079a02] James Ira Thorpe  
Merge branch 'development' into GSFC/matrix\_and\_collection\_utils

[2014-07-16 08:31:42 -0400][64dd688] James Ira Thorpe  
this is already handled by accessing the public 'names' property of the collection object and hence is not necessary

m-toolbox/classes/@collection/getNames.m | 98 -----  
1 file changed, 98 deletions(-)

[2014-07-16 11:54:01 +0200][b47835f] Mauro Hueller  
Bug fix: by default the uncertainty should be empty, not 0.

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

[2014-07-16 10:50:33 +0200][09276c0] Ingo Diepholz  
Changed the category of the minfo-object.

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

[2014-07-15 14:49:35 -0400][03072ab] James Ira Thorpe  
Now handles extraction to array of A0s as well

m-toolbox/classes/@matrix/toArray.m | 36 ++++++  
1 file changed, 25 insertions(+), 11 deletions(-)

[2014-07-15 14:24:58 -0400][b7553e0] James Ira Thorpe  
Merge branch 'development' into GSFC/matrix\_and\_collection\_utils

[2014-07-15 14:24:03 -0400][554676c] James Ira Thorpe  
returns cell array of names for objects inside matrix

m-toolbox/classes/@collection/getNames.m | 98 ++++++  
1 file changed, 98 insertions(+)

[2014-07-15 14:07:48 -0400][ef86ff5] James Ira Thorpe  
fixed bug with parameter calls

m-toolbox/classes/@collection/objTypes.m | 4 +--  
m-toolbox/classes/@collection/toCell.m | 4 +--  
2 files changed, 5 insertions(+), 3 deletions(-)

[2014-07-15 14:06:29 -0400][b7b4ed7] James Ira Thorpe  
method to convert matrix object to MATLAB array of A0s

m-toolbox/classes/@matrix/toArray.m | 182 ++++++  
1 file changed, 182 insertions(+)

[2014-07-15 19:38:08 +0200][9525c8b] Ingo Diepholz  
modify object name.

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

[2014-07-15 19:37:25 +0200][69a3fca] Nikos  
Merge branch 'development' into NK/diag\_spectrum\_matrix

```

-----
[2014-07-15 19:36:51 +0200][ce562e2] Nikos
Added fix for the double output from the log likelihood function

m-toolbox/classes/@MCMC/preprocessMFH.m | 12 ++++++--
1 file changed, 11 insertions(+), 1 deletion(-)

-----
[2014-07-15 19:32:32 +0200][2ecc7d5] Ingo Diepholz
New method which overloads the MATLAB method mod for analysis objects.

m-toolbox/classes/@ao/mod.m | 184 ++++++
1 file changed, 184 insertions(+)

-----
[2014-07-15 12:20:53 -0400][57c1926] James Ira Thorpe
added constructor for matrix objects from collection objects. Throws an error if the collection object has more
than one data type

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

-----
[2014-07-15 12:18:57 -0400][1bf82d4] James Ira Thorpe
extracts objects from a MATLAB collection and places them into a cell array

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

-----
[2014-07-15 12:18:31 -0400][7092512] James Ira Thorpe
convenience method for getting object types from a collection object

m-toolbox/classes/@collection/objTypes.m | 98 ++++++
1 file changed, 98 insertions(+)

-----
[2014-07-15 15:37:44 +0200][fece767] Mauro Hueller
Merge branch 'MH/unit_prefixes' into development

-----
[2014-07-15 14:21:05 +0200][e4f4e43] Ingo Diepholz
Small modification to the fact that the utils.xml.mat2str cast the number to the right numeric data type. In that
case is the '[' not longer at position 1.

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

-----
[2014-07-15 11:44:15 +0200][fb6d413] Mauro Hueller
Bug fixed: we work with exponents now

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

-----
[2014-07-14 16:04:11 +0200][ef9a600] Mauro Hueller
Merge branch 'development' into MH/unit_prefixes

-----
[2014-07-14 15:32:41 +0200][38b6897] Ingo Diepholz
Display not only 'double' but also all other numeric data types.

m-toolbox/classes/+utils/@helper/objdisp.m | 7 +++++-
1 file changed, 6 insertions(+), 1 deletion(-)

-----
[2014-07-14 15:10:04 +0200][0a69304] Ingo Diepholz
Cast the number to the right numeric data type if the input number is NOT a double.

m-toolbox/classes/+utils/@xml/mat2str.m | 6 +++++
1 file changed, 6 insertions(+)

-----
[2014-07-14 08:21:55 +0200][f0c8f73] Mauro Hueller
Merge branch 'development' into MH/unit_prefixes

-----
[2014-07-13 18:03:54 +0200][03277a6] Martin Hewitson
Ensure the errors are real on return. Sometimes small rounding errors result in small imaginary parts, then the
error bar plotting goes bananas.

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

-----
[2014-07-12 12:54:01 +0200][3a26f41] Martin Hewitson
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda_src into development

-----
[2014-07-12 12:53:39 +0200][5b51b1d] Martin Hewitson

```

In the new MATLAB graphics handles are objects and so we need to wrap them in double() to display the handle pointer.

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

-----  
[2014-07-11 16:50:54 +0200][df72655] Nikos  
Merge branch 'development' into NK/diag\_spectrum\_matrix

-----  
[2014-07-11 16:49:55 +0200][02e044e] Nikos  
Re-arranging the internal functions, small bug fix

m-toolbox/classes/@MCMC/decision.m | 4 +--  
m-toolbox/classes/@MCMC/mhsample.m | 97 ++++++-----  
2 files changed, 58 insertions(+), 43 deletions(-)

-----  
[2014-07-10 16:20:25 +0200][b8ed574] Mauro Hueller  
Bug fix: we work on prefixes that are exponents now

m-toolbox/classes/@unit/HzToS.m | 2 +--  
m-toolbox/classes/@unit/sToHz.m | 2 +--  
2 files changed, 2 insertions(+), 2 deletions(-)

-----  
[2014-07-09 18:20:30 +0200][736a6ad] Ingo Diepholz  
I like the idea that a class method "isempty" defines if an object is empty or not BUT I have found a case that the unit/isempty doesn't work. At least for displaying unit objects -> That's the reason why I removing the method again.

m-toolbox/classes/@unit/isempty.m | 18 -----  
1 file changed, 18 deletions(-)

-----  
[2014-07-09 17:35:46 +0200][17875e2] Mauro Hueller  
Cosmetics

m-toolbox/classes/@ltpda\_tf/setIunits.m | 12 +++++-----  
m-toolbox/classes/@ltpda\_tf/setOunits.m | 12 +++++-----  
2 files changed, 12 insertions(+), 12 deletions(-)

-----  
[2014-07-09 17:16:19 +0200][cf2e315] Mauro Hueller  
Cosmetics

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

-----  
[2014-07-09 17:15:27 +0200][5bbd925] Mauro Hueller  
Merge branch 'development' into MH/unit\_prefixes

-----  
[2014-07-09 17:13:22 +0200][ac6c985] Mauro Hueller  
Try to implement back-compatibility

m-toolbox/classes/@unit/unit.m | 15 ++++++-----  
1 file changed, 10 insertions(+), 5 deletions(-)

-----  
[2014-07-09 17:12:09 +0200][c14f0c9] Mauro Hueller  
A better implementation, I think

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

-----  
[2014-07-09 16:29:03 +0200][d7dbd02] Ingo Diepholz  
Update supported MATLAB version

m-toolbox/html\_help/info.xml | 2 +--  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-07-09 16:28:40 +0200][3782416] Ingo Diepholz  
New helper method which checks is an unit object is empty.

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

-----  
[2014-07-09 16:20:48 +0200][2f86aff] Ingo Diepholz  
nothing

m-toolbox/classes/@unit/atan2.m | 0  
1 file changed, 0 insertions(+), 0 deletions(-)

-----  
[2014-07-09 09:11:44 +0200][6275672] Mauro Hueller

## Cosmetics

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

-----  
[2014-07-09 09:11:34 +0200][022de85] Mauro Hueller  
We don't need to do the casting here since we have delegated this to the setter

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

-----  
[2014-07-09 09:10:38 +0200][9dc1633] Mauro Hueller  
We don't need to do the casting here since we have delegated this to the setter

m-toolbox/classes/@unit/setVals.m | 2 +-  
m-toolbox/classes/@unit/simplify.m | 2 +-  
2 files changed, 2 insertions(+), 2 deletions(-)

-----  
[2014-07-09 09:06:03 +0200][4c74fc3] Mauro Hueller  
Added a setter to ensure we cast to integer

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

-----  
[2014-07-09 08:08:45 +0200][affc186] Mauro Hueller  
Make sure we cast to integer here

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

-----  
[2014-07-09 08:07:53 +0200][e9c9dd7] Mauro Hueller  
Bug fix: we work on prefixes that are exponent now

m-toolbox/classes/@unit/toSI.m | 6 ++++--  
1 file changed, 4 insertions(+), 2 deletions(-)

-----  
[2014-07-09 08:07:16 +0200][423ea22] Mauro Hueller  
Do not simplify to cm or dm or similar

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

-----  
[2014-07-09 08:06:38 +0200][6bcf884] Mauro Hueller  
Make sure we cast to integer here

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

-----  
[2014-07-09 08:06:11 +0200][617555f] Mauro Hueller  
Bug fix: we work on prefixes that are exponent now

m-toolbox/classes/@ltpda\_vector/simplifyUnits.m | 12 +++++-----  
1 file changed, 6 insertions(+), 6 deletions(-)

-----  
[2014-07-09 08:05:14 +0200][98c7dda] Mauro Hueller  
Cosmetics

m-toolbox/classes/@unit/unit.m | 14 ++++++-----  
1 file changed, 7 insertions(+), 7 deletions(-)

-----  
[2014-07-09 08:04:59 +0200][9a200e6] Mauro Hueller  
Make sure we cast to integer here

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

-----  
[2014-07-08 14:19:55 -0400][e71bffa] James Ira Thorpe  
removed spurious 'M' in method name

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

-----  
[2014-07-08 14:18:24 -0400][047e94f] James Ira Thorpe  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2014-07-08 14:18:12 -0400][c90107e] James Ira Thorpe  
Vector cross product for 1D matrix objects of length 3

m-toolbox/classes/@matrix/cross.m | 150 ++++++  
1 file changed, 150 insertions(+)

-----  
[2014-07-08 18:10:00 +0200][0998148] Martin Hewitson  
Bug fix: ensure we cache the filter history in the filter object. Oops!

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

-----  
[2014-07-08 14:30:01 +0200][b2e679a] Mauro Hueller  
Bug fix: ensure we cast the prefixes and add them up

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

-----  
[2014-07-08 14:28:43 +0200][6967107] Mauro Hueller  
Bug fix: we need to compare against 0

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

-----  
[2014-07-08 14:04:26 +0200][8467d49] Mauro Hueller  
Corrected syntax to account for prefixes handling

m-toolbox/classes/@unit/simplify.m | 22 ++++++-----  
1 file changed, 11 insertions(+), 11 deletions(-)

-----  
[2014-07-08 14:03:54 +0200][162baf7] Mauro Hueller  
Corrected syntax to account for prefixes handling

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

-----  
[2014-07-03 11:47:07 +0200][f3f4a2f] Nikos  
The same for the fisher function

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

-----  
[2014-07-03 11:46:51 +0200][06efe6b] Nikos  
Forgot a plist key here

m-toolbox/m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 11 ++++++  
1 file changed, 11 insertions(+)

-----  
[2014-07-03 11:31:05 +0200][fb63219] Nikos  
Merge branch 'development' into NK/diag\_spectrum\_matrix

-----  
[2014-06-30 13:33:46 +0200][b412b3b] Martin Hewitson  
Format should not include the UTC

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

-----  
[2014-06-29 11:30:25 +0200][2655d4f] Martin Hewitson  
A method which returns the GPS second based on this time object. Note, this does not yet account for leap seconds, so for older times this may be incorrect. It is currently using utils.timetools.utc2gps which has the leapseconds (16) hard coded.

m-toolbox/classes/@time/toGPS.m | 23 ++++++  
1 file changed, 23 insertions(+)

-----  
[2014-06-29 11:28:55 +0200][cef79b7] Martin Hewitson  
A new utility which returns the current gps second based on the local machines time and timezone.

m-toolbox/classes/+utils/@timetools/gpsnow.m | 17 ++++++  
m-toolbox/classes/+utils/@timetools/timetools.m | 1 +  
2 files changed, 18 insertions(+)

-----  
[2014-06-28 06:43:31 +0200][a58dbe7] Martin Hewitson  
A more robust, if long-winded, way of getting the legend handles. The old way sometimes failed or got them mixed up.

m-toolbox/classes/@ao/plotyy.m | 8 +++++-  
1 file changed, 5 insertions(+), 3 deletions(-)

-----  
[2014-06-25 17:56:49 +0200][4e9bed2] Mauro Hueller  
We don't need to skip the case for prefix being 0 (i.e. the scale factor is 1). Variable renaming.

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

-----  
[2014-06-25 17:54:59 +0200][6c822bc] Mauro Hueller  
Make sure we support also integer values.

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

-----  
[2014-06-25 17:53:40 +0200][e413d63] Mauro Hueller  
Changing the internal representation of the prefixes: not the value, but the exponent.

m-toolbox/classes/@unit/unit.m | 18 ++++++-----  
1 file changed, 8 insertions(+), 10 deletions(-)

-----  
[2014-06-25 17:03:49 +0200][3f8a2d1] Mauro Hueller  
Added documentation pages for this GUI

.../help/ug/gui\_modelBrowser\_content.html | 25 ++++++-----  
.../html\_help/help/ug/images/LTPDAModelBrowser.png | Bin 0 -> 34185 bytes  
2 files changed, 25 insertions(+)

-----  
[2014-06-25 17:00:09 +0200][003b72d] Mauro Hueller  
Adapt to the new behavior of unit/toSI: collect also the scale factor so to compare it.

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

-----  
[2014-06-25 16:57:53 +0200][0ad8596] Mauro Hueller  
We should use the ao method, not the unit one, so we add history

m-toolbox/html\_help/help/ug/ltpda\_training\_2\_topic\_3\_3\_content.html | 4 ++--  
1 file changed, 2 insertions(+), 2 deletions(-)

-----  
[2014-06-25 16:54:30 +0200][873bf5e] Mauro Hueller  
Adapt to the new behavior of unit/toSI: collect the scale factor and apply it to the data

m-toolbox/classes/@ao/toSI.m | 15 ++++++-----  
1 file changed, 12 insertions(+), 3 deletions(-)

-----  
[2014-06-25 16:43:29 +0200][a55d790] Mauro Hueller  
We need to pass out the scale factor so that the caller mat hod can use it to scale the data. Added an error in the case the caller does not gather the scale factor, as a probe.

m-toolbox/classes/@unit/toSI.m | 20 ++++++-----  
1 file changed, 10 insertions(+), 10 deletions(-)

-----  
[2014-06-25 15:10:36 +0200][0f352b1] Mauro Hueller  
Bug fix: we need to cache the input unit so to have the possibility to return it in case things go wrong

m-toolbox/classes/@unit/simplify.m | 15 ++++++-----  
1 file changed, 10 insertions(+), 5 deletions(-)

-----  
[2014-06-25 11:58:49 +0200][81b3226] Mauro Hueller  
Bring these back. They are not too bad after all ...

m-toolbox/html\_help/help/helptoc.xml | 2 ++  
1 file changed, 2 insertions(+)

-----  
[2014-06-25 11:57:50 +0200][dea19a7] Mauro Hueller  
Updated

.../help/ug/builtin\_models\_ao\_content.html | 48 ++++++-----  
.../help/ug/builtin\_models\_ssm\_content.html | 2 +-  
2 files changed, 24 insertions(+), 26 deletions(-)

-----  
[2014-06-25 11:06:38 +0200][5bc3328] Mauro Hueller  
Remove the ID string since we don't use it any more

m-toolbox/m/built\_in\_models/plist/plist\_model\_physical\_constants.m | 2 --  
1 file changed, 2 deletions(-)

-----  
[2014-06-25 11:05:22 +0200][1fafe8c] Mauro Hueller  
Remove the ID string since we don't use it any more

m-toolbox/m/built\_in\_models/ao/ao\_model\_notch.m | 2 --  
m-toolbox/m/built\_in\_models/ao/ao\_model\_oscillator\_sine.m | 2 --  
m-toolbox/m/built\_in\_models/ao/ao\_model\_oscillator\_step.m | 2 --

```

m-toolbox/m/built_in_models/ao/ao_model_padded_sine.m | 2 --
m-toolbox/m/built_in_models/ao/ao_model_pulsestrain.m | 2 --
m-toolbox/m/built_in_models/ao/ao_model_sinewave.m | 2 --
m-toolbox/m/built_in_models/ao/ao_model_squarewave.m | 2 --
m-toolbox/m/built_in_models/ao/ao_model_step.m | 2 --
m-toolbox/m/built_in_models/ao/ao_model_whitenoise.m | 2 --
9 files changed, 18 deletions(-)

```

---

[2014-06-25 10:55:24 +0200][a92ddf1] Mauro Hueller  
Make the figure smaller

```

m-toolbox/html_help/help/ug/gui_modelBrowser.html | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)

```

---

[2014-06-25 10:49:07 +0200][b9a306d] Martin Hewitson  
Improve the comparison of nsecs because this sometimes fails. We really need to think seriously about the idea of a maximum supported sample rate to allow us to scale all these comparisons on time stamps, nsecs, fs, etc.

```

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

```

---

[2014-06-24 22:12:08 +0200][6d02271] Mauro Hueller  
Added a reference to the LTPDAModelBrowser GUI

```

m-toolbox/html_help/help/helptoc.xml | 1 +
m-toolbox/html_help/help/ug/gui_content.html | 1 +
m-toolbox/html_help/help/ug/gui_modelBrowser.html | 72 +++++
3 files changed, 74 insertions(+)

```

---

[2014-06-24 18:14:18 +0200][a35cc9c] Mauro Hueller  
I think we should list the plist built-in models

```

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

```

---

[2014-06-24 18:13:47 +0200][f7fb60a] Mauro Hueller  
Updated and removed reference to removed GUI

```

m-toolbox/html_help/help/ug/gui_specwin_content.html | 5 +++-
1 file changed, 4 insertions(+), 1 deletion(-)

```

---

[2014-06-24 18:13:24 +0200][7a07653] Mauro Hueller  
Modernized.

```

m-toolbox/classes/@ao/linSubtract.m | 37 +++++-----
1 file changed, 11 insertions(+), 26 deletions(-)

```

---

[2014-06-24 16:36:57 +0200][cbf20c3] Martin Hewitson  
Fix help text.

```

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

```

---

[2014-06-23 14:23:05 +0200][6ebc487] Martin Hewitson  
Just display the size of the chain. There is little value in displaying the chain, since it is typically huge. This answers MANTIS issue 774.

```

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

```

---

[2014-06-23 13:25:35 +0200][75ddafd] Martin Hewitson  
An iplot method for collection objects, which follows the behaviour of the existing matrix/iplot.

```

m-toolbox/classes/@collection/iplot.m | 93 +++++
1 file changed, 93 insertions(+)

```

---

[2014-06-23 08:44:29 +0200][c564d35] Martin Hewitson  
The constructor may build more than one object, so we need a loop here.

```

m-toolbox/classes/@param/param.m | 7 +++---
1 file changed, 4 insertions(+), 3 deletions(-)

```

---

[2014-06-23 08:44:09 +0200][3a1ea94] Martin Hewitson  
Make sure we save and load the parameter origin in the Xml file.

```

m-toolbox/classes/@param/attachToDom.m | 3 +++
m-toolbox/classes/@param/fromDom.m | 3 +++
2 files changed, 6 insertions(+)

```

[2014-06-22 17:08:45 +0200][16e0daa] Martin Hewitson  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2014-06-22 12:49:14 +0200][38c1462] Nikos  
Update help

m-toolbox/m/built\_in\_models/mfh/mfh\_model\_loglikelihood.m | 12 +-----  
1 file changed, 9 insertions(+), 3 deletions(-)

-----  
[2014-06-22 12:48:43 +0200][5d66bdb] Nikos  
Allow a smodel dependent on frequencies for the noise model.

m-toolbox/classes/@MCMC/computeICSMatrix.m | 44 +-----  
m-toolbox/classes/@MCMC/handle\_data\_for\_icsm.m | 5 +-  
m-toolbox/classes/@MCMC/setNoise.m | 4 +-  
3 files changed, 43 insertions(+), 10 deletions(-)

-----  
[2014-06-22 11:54:41 +0200][051602a] Mauro Hueller  
Trying to handle the prefixes at the unit level. The trick is calculating a global scale factor and assigning it to the unit which has exponent == 1. Not perfect yet, since this might not be always true.

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

-----  
[2014-06-22 09:11:23 +0200][566fe22] Martin Hewitson  
Merge branch 'MRH/parameter\_origins' into development

-----  
[2014-06-22 09:06:52 +0200][4e2fb75] Martin Hewitson  
Prepare for new MATLAB versions in which graphics handles are real objects.

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

-----  
[2014-06-22 07:35:55 +0200][df33a86] Martin Hewitson  
make sure we clear the cache in attachToDom before we start collecting the XML elements.

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

-----  
[2014-06-22 07:35:25 +0200][d4673e7] Martin Hewitson  
put back the speed up because I think I found the way to make it work uniformly.

m-toolbox/classes/@history/attachToDom.m | 22 +-----  
m-toolbox/classes/@ltpda\_uo/save.m | 4 +++  
2 files changed, 13 insertions(+), 13 deletions(-)

-----  
[2014-06-21 15:44:44 +0200][e078768] Martin Hewitson  
Revert these changes, because it seems to break things. It probably just needs a little more investigation to get it working. I guess the issue is that we only clear the persistent cache in ltpda\_uo/save, but we probably call attachToDom from many other places. Probably anywhere where we write XML, like in submit, md5, etc.

m-toolbox/classes/@history/attachToDom.m | 22 +-----  
m-toolbox/classes/@ltpda\_uo/save.m | 4 ----  
2 files changed, 13 insertions(+), 13 deletions(-)

-----  
[2014-06-21 14:26:09 +0200][853a7b3] Mauro Hueller  
Bug fix: the simplification is needed only if the property is present

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

-----  
[2014-06-21 14:19:39 +0200][661f263] Mauro Hueller  
Make sure we simplify units and prefixes before we convert them into SI. Otherwise, we cannot deal with situations like: (nV)^2 -> kg

m-toolbox/classes/@ao/toSI.m | 3 +++  
m-toolbox/classes/@unit/toSI.m | 5 +---  
2 files changed, 7 insertions(+), 1 deletion(-)

-----  
[2014-06-21 14:16:16 +0200][b6531ae] Mauro Hueller  
We do not need to scale kg to SI

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

-----  
[2014-06-20 18:55:08 +0200][34e1c97] Nikos  
Bug fix here

m-toolbox/classes/@MCMC/computeICSMatrix.m | 4 ----

1 file changed, 4 deletions(-)

-----  
[2014-06-20 18:18:19 +0200] [6226b90] Nikos  
allow a FSDATA noise model

m-toolbox/classes/@MCMC/computeICSMatrix.m | 23 ++++++  
m-toolbox/classes/@MCMC/handle\_data\_for\_icsm.m | 3 +++  
2 files changed, 26 insertions(+)

-----  
[2014-06-20 17:37:12 +0200] [38e6809] Nikos  
Merge branch 'development' into NK/diag\_spectrum\_matrix

-----  
[2014-06-20 17:27:45 +0200] [3e5ba1c] Mauro Hueller  
Clarified

m-toolbox/html\_help/help/ug/plist\_create\_content.html | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-06-20 17:02:23 +0200] [666330a] Mauro Hueller  
Fixed links

m-toolbox/html\_help/help/ug/ltpda\_units\_content.html | 17 ++++++-----  
1 file changed, 11 insertions(+), 6 deletions(-)

-----  
[2014-06-20 16:09:24 +0200] [68a8c69] Martin Hewitson  
Remove debug output.

m-toolbox/classes/@history/attachToDom.m | 1 -  
1 file changed, 1 deletion(-)

-----  
[2014-06-20 14:57:46 +0200] [bdfb66b] Mauro Hueller  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2014-06-20 14:57:28 +0200] [3439274] Mauro Hueller  
Removed reference to removed GUIs

m-toolbox/html\_help/help/ug/examplesindex\_content.html | 17 -----  
1 file changed, 17 deletions(-)

-----  
[2014-06-20 14:57:27 +0200] [545507b] Martin Hewitson  
Speed up processing of history trees for display, by caching the object UUIDs in a cell-array.

m-toolbox/classes/@history/hist2dot.m | 38 ++++++-----  
1 file changed, 17 insertions(+), 21 deletions(-)

-----  
[2014-06-20 14:56:55 +0200] [28d5caf] Martin Hewitson  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2014-06-20 14:56:44 +0200] [992b45b] Martin Hewitson  
Speed up the saving of XML by caching the UUIDs of the history objects which have been processed, rather than searching for them each time in the DOM.

m-toolbox/classes/@history/attachToDom.m | 25 ++++++-----  
m-toolbox/classes/@ltpda\_uo/save.m | 4 +++  
2 files changed, 15 insertions(+), 14 deletions(-)

-----  
[2014-06-20 14:41:21 +0200] [e980098] Mauro Hueller  
Removed dead code

m-toolbox/makeToolbox.m | 3 ---  
1 file changed, 3 deletions(-)

-----  
[2014-06-20 14:41:02 +0200] [6835556] Mauro Hueller  
Added test

m-toolbox/test/test\_list.m | 1 +  
1 file changed, 1 insertion(+)

-----  
[2014-06-20 14:40:49 +0200] [3098866] Mauro Hueller  
Written this section about units

.../html\_help/help/ug/ltpda\_units\_content.html | 233 ++++++-----  
1 file changed, 232 insertions(+), 1 deletion(-)

-----  
[2014-06-20 14:40:27 +0200] [991f0ec] Mauro Hueller  
Updated section about user-defined units

m-toolbox/html\_help/help/ug/setup\_content.html | 10 ++++++--  
1 file changed, 9 insertions(+), 1 deletion(-)

-----  
[2014-06-20 14:06:42 +0200][662b3fb] Martin Hewitson  
Merge branch 'MRH/fix\_history\_view' into development

-----  
[2014-06-20 14:06:30 +0200][4631208] Martin Hewitson  
Escape any quotation marks in the label string.

m-toolbox/classes/@history/hist2dot.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-06-20 11:56:21 +0200][6ddff8d] Martin Hewitson  
Setting a legend as the current axes doesn't work on the latest matlab with the new graphic objects.

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

-----  
[2014-06-20 11:55:50 +0200][c11b27c] Martin Hewitson  
I'm not sure at the moment which is the super class of the new legend objects, so for now I include both (that I know of).

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

-----  
[2014-06-20 11:56:21 +0200][ea7917c] Martin Hewitson  
Setting a legend as the current axes doesn't work on the latest matlab with the new graphic objects.

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

-----  
[2014-06-20 11:55:50 +0200][f98127f] Martin Hewitson  
I'm not sure at the moment which is the super class of the new legend objects, so for now I include both (that I know of).

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

-----  
[2014-06-20 10:22:20 +0200][53ace5e] Martin Hewitson  
Trying to improve the gathering of context information. This is a little better, but there are still some issues, especially with pipelines.

m-toolbox/classes/@ltpda\_uoh/addHistory.m | 8 ++++++--  
1 file changed, 7 insertions(+), 1 deletion(-)

-----  
[2014-06-20 10:21:31 +0200][9365b02] Martin Hewitson  
Use the new plottools utility to get the legends.

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

-----  
[2014-06-20 10:18:34 +0200][3d33ebf] Martin Hewitson  
A new utility function which returns all the legends for a given figure. This should work with the old graphics handles and the new object based ones. Needs tested on older MATLAB versions.

m-toolbox/classes/+utils/@plottools/getLegends.m | 22 ++++++  
m-toolbox/classes/+utils/@plottools/plottools.m | 1 +  
2 files changed, 23 insertions(+)

-----  
[2014-06-20 06:31:42 +0200][5417735] Mauro Hueller  
Added a viewHistory step

m-toolbox/test/test\_ao\_detrend.m | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-06-20 06:31:20 +0200][5ff21a6] Mauro Hueller  
Bug fixed: we need to subtract the trend

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

-----  
[2014-06-20 06:28:30 +0200][187e7b6] Mauro Hueller  
A simple test script for ao/detrend

m-toolbox/test/test\_ao\_detrend.m | 36 ++++++  
1 file changed, 36 insertions(+)

-----  
[2014-06-20 06:26:04 +0200][e82faff] Mauro Hueller

Use callerIsMethod

```
m-toolbox/classes/@ao/detrend.m | 18 ++++++-----  
1 file changed, 13 insertions(+), 5 deletions(-)
```

```
-----  
[2014-06-19 05:53:38 +0200][f577bb5] Mauro Hueller  
Added on optional argument 'times' to allow the estimate of the trend to be performed only on a limited time  
range. The trend is then subtracted from the whole dataset.
```

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

```
-----  
[2014-06-19 05:21:33 +0200][d7955c5] Mauro Hueller  
Added colors
```

```
m-toolbox/html_help/help/ug/ao_create_content.html | 16 ++++++-----  
1 file changed, 8 insertions(+), 8 deletions(-)
```

```
-----  
[2014-06-18 06:36:13 +0200][d759bba] Mauro Hueller  
Starting this content
```

```
m-toolbox/html_help/help/ug/ltpda_units_content.html | 5 +++++  
1 file changed, 5 insertions(+)
```

```
-----  
[2014-06-18 06:32:31 +0200][c388671] Mauro Hueller  
Updated displayed output
```

```
m-toolbox/html_help/help/ug/plist_create_content.html | 6 +++---  
1 file changed, 3 insertions(+), 3 deletions(-)
```

```
-----  
[2014-06-18 06:32:15 +0200][b41de09] Mauro Hueller  
Use h3
```

```
m-toolbox/html_help/help/ug/collection_objects_content.html | 8 +++---  
1 file changed, 4 insertions(+), 4 deletions(-)
```

```
-----  
[2014-06-18 06:27:54 +0200][fab9b6e] Mauro Hueller  
Updated
```

```
.../help/ug/collection_objects_content.html | 65 ++++++-----  
1 file changed, 45 insertions(+), 20 deletions(-)
```

```
-----  
[2014-06-18 05:23:44 +0200][6b68642] Mauro Hueller  
Updated to the current behavior
```

```
m-toolbox/html_help/help/ug/ao_plot_content.html | 31 ++++++-----  
1 file changed, 8 insertions(+), 23 deletions(-)
```

```
-----  
[2014-06-18 05:23:32 +0200][a6f3c42] Mauro Hueller  
Resized figure
```

```
m-toolbox/html_help/help/ug/ao_plot_content.html | 2 +-  
1 file changed, 1 insertion(+), 1 deletion(-)
```

```
-----  
[2014-06-18 05:22:55 +0200][6a040da] Mauro Hueller  
Updated
```

```
m-toolbox/html_help/help/ug/images/ao_ipplot_eg1.png | Bin 30301 -> 31173 bytes  
1 file changed, 0 insertions(+), 0 deletions(-)
```

```
-----  
[2014-06-18 05:18:13 +0200][71b19e9] Mauro Hueller  
Typo
```

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

```
-----  
[2014-06-18 05:17:00 +0200][356cbdb] Mauro Hueller  
Resized figures
```

```
m-toolbox/html_help/help/ug/ao_create_content.html | 4 ++--  
1 file changed, 2 insertions(+), 2 deletions(-)
```

```
-----  
[2014-06-18 05:16:36 +0200][9ab6ca8] Mauro Hueller  
Updated
```

```
.../html_help/help/ug/images/ao_create_noise.png | Bin 8810 -> 35726 bytes  
1 file changed, 0 insertions(+), 0 deletions(-)
```

[2014-06-18 05:11:43 +0200][aedc33d] Mauro Hueller  
Updated

.../html\_help/help/ug/images/ao\_create\_sawtooth.png | Bin 8372 -> 29510 bytes  
1 file changed, 0 insertions(+), 0 deletions(-)

[2014-06-18 05:11:28 +0200][e0f275e] Mauro Hueller  
Updated to the current behavior

m-toolbox/html\_help/help/ug/ao\_create\_content.html | 213 ++++++-----  
1 file changed, 124 insertions(+), 89 deletions(-)

[2014-06-18 05:11:01 +0200][02fe354] Mauro Hueller  
Renamed

m-toolbox/html\_help/help/ug/images/ao\_create\_niose.png | Bin 8810 -> 0 bytes  
m-toolbox/html\_help/help/ug/images/ao\_create\_noise.png | Bin 0 -> 8810 bytes  
2 files changed, 0 insertions(+), 0 deletions(-)

[2014-06-17 22:45:43 +0200][6c94eae] Mauro Hueller  
Removed dead code

m-toolbox/classes/@ao/bilinfilt.m | 7 -----  
1 file changed, 7 deletions(-)

[2014-06-17 22:26:34 +0200][11c33bf] Mauro Hueller  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

[2014-06-17 20:48:59 +0200][fec9c17] Mauro Hueller  
Removed link to removed section

m-toolbox/html\_help/help/ug/objects\_working\_content.html | 1 -  
1 file changed, 1 deletion(-)

[2014-06-17 17:39:45 +0200][1790a97] Ingo Diepholz  
Bug fix: It is necessary to build in this method ALWAYS a new PLIST because this PLIST is used by the called method.

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

[2014-06-17 17:26:43 +0200][df64286] Ingo Diepholz  
minor bug fix: It is necessary to get the 'rest' if after we collect the PLISTs

m-toolbox/classes/@ltpda\_uoh/csvexport.m | 4 ++--  
1 file changed, 2 insertions(+), 2 deletions(-)

[2014-06-15 14:43:40 +0200][01979e0] Martin Hewitson  
replace the variable 's' with something more expressive, thus avoiding problems with expressions that have a variable 's' in them.

m-toolbox/classes/@mfh/eval.m | 17 ++++++-----  
1 file changed, 10 insertions(+), 7 deletions(-)

[2014-06-15 14:44:02 +0200][cd1a2c2] Martin Hewitson  
Allow the constructor to set the description.

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

[2014-06-15 20:06:02 +0200][5c83450] Martin Hewitson  
Don't track .gitignore files. Developers should set this themselves.

.gitignore | 7 -----  
1 file changed, 7 deletions(-)

[2014-06-17 07:59:45 +0200][e9ea0f7] Martin Hewitson  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

[2014-06-17 07:56:41 +0200][1390a25] Martin Hewitson  
Somehow the commit message got left in the file. Oops. We should check other files!

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

[2014-06-17 07:56:41 +0200][5e9eaa0] Martin Hewitson  
Somehow the commit message got left in the file. Oops. We should check other files!

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

-----  
[2014-06-16 20:06:08 +0200][b5fa9c9] Mauro Hueller  
Updated (I hope it is correct)

.../html\_help/help/funcbycat/helpfuncbycat.xml | 135 ++++++-----  
1 file changed, 69 insertions(+), 66 deletions(-)

-----  
[2014-06-16 19:55:53 +0200][cb26f9d] Mauro Hueller  
Updated output

.../html\_help/help/ug/objects\_working\_content.html | 44 ++++++-----  
1 file changed, 21 insertions(+), 23 deletions(-)

-----  
[2014-06-16 19:55:32 +0200][6b19bc0] Mauro Hueller  
Fixed syntax

m-toolbox/html\_help/help/ug/objects\_working\_content.html | 3 ++-  
1 file changed, 2 insertions(+), 1 deletion(-)

-----  
[2014-06-16 19:55:12 +0200][a9678f1] Mauro Hueller  
Removed reference to GUI

m-toolbox/html\_help/help/ug/objects\_working\_content.html | 4 ----  
1 file changed, 4 deletions(-)

-----  
[2014-06-16 19:43:33 +0200][89f6ce1] Mauro Hueller  
Added missing objects

.../html\_help/help/ug/object\_types\_content.html | 21 ++++++-----  
1 file changed, 21 insertions(+)

-----  
[2014-06-16 19:35:34 +0200][f39870a] Mauro Hueller  
Updated image

m-toolbox/html\_help/help/ug/images/LTPDAprefs.png | Bin 214458 -> 44667 bytes  
1 file changed, 0 insertions(+), 0 deletions(-)

-----  
[2014-06-16 19:32:46 +0200][2c20858] Mauro Hueller  
Updated image and text

.../help/ug/additional\_progs\_content.html | 2 +-  
.../help/ug/images/LTPDAprefs\_ExtProg.png | Bin 146617 -> 32963 bytes  
2 files changed, 1 insertion(+), 1 deletion(-)

-----  
[2014-06-16 19:28:22 +0200][c8d0640] Mauro Hueller  
Remove reference to GUIs

m-toolbox/html\_help/help/helptoc.xml | 35 -----  
1 file changed, 35 deletions(-)

-----  
[2014-06-16 19:28:01 +0200][ad150c7] Mauro Hueller  
Remove reference to GUIs

m-toolbox/html\_help/help/ug/additional\_progs\_content.html | 6 -----  
m-toolbox/html\_help/help/ug/gui\_content.html | 5 -----  
m-toolbox/html\_help/help/ug/repo\_explore\_content.html | 5 +++-  
3 files changed, 4 insertions(+), 12 deletions(-)

-----  
[2014-06-15 20:06:02 +0200][a24f81c] Martin Hewitson  
Don't track .gitignore files. Developers should set this themselves.

.gitignore | 7 -----  
1 file changed, 7 deletions(-)

-----  
[2014-06-15 14:44:02 +0200][dd52cb4] Martin Hewitson  
Allow the constructor to set the description.

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

-----  
[2014-06-15 14:43:40 +0200][80e828b] Martin Hewitson  
replace the variable 's' with something more expressive, thus avoiding problems with expressions that have a variable 's' in them.

m-toolbox/classes/@mfh/eval.m | 17 ++++++-----  
1 file changed, 10 insertions(+), 7 deletions(-)

-----  
[2014-06-15 14:24:03 +0200][d1e7311] Martin Hewitson  
Merge branch 'development' into MRH/parameter\_origins

-----  
[2014-06-15 14:23:47 +0200][2e4f0b0] Martin Hewitson  
It can be that we are dealing with more than one figure, so we need another loop here.

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

-----  
[2014-06-15 09:54:42 +0200][e14a980] Martin Hewitson  
Sometimes we get more than one getInfo in the stack. Until further investigation is done, take the first.

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

-----  
[2014-06-13 14:09:54 +0200][c58a2ce] Martin Hewitson  
Merge branch 'development' into MRH/parameter\_origins

-----  
[2014-06-13 14:09:46 +0200][0fdb45f] Martin Hewitson  
In the latest MATLAB release, some exceptions are a different class.

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

-----  
[2014-06-13 09:00:42 +0200][7835291] Mauro Hueller  
Removed numbering here

.../html\_help/help/ug/trouble\_shooting\_content.html | 20 +++++-----  
1 file changed, 5 insertions(+), 15 deletions(-)

-----  
[2014-06-13 08:59:41 +0200][e41a513] Mauro Hueller  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpda/ltpda\_src into development

-----  
[2014-06-12 22:42:01 +0200][76b932f] Mauro Hueller  
In supported versions of Matlab like R2011A the call to Matlab interp1() wanted the parameter 'method' to be lower case.

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

-----  
[2014-06-12 17:10:11 +0200][7ea8e37] Martin Hewitson  
Display parameters grouped by their origin.

m-toolbox/classes/@plist/tohtml.m | 35 ++++++-----  
1 file changed, 34 insertions(+), 1 deletion(-)

-----  
[2014-06-12 17:09:42 +0200][70e557c] Martin Hewitson  
Trying to do a better job of capturing the origin of the parameter.

m-toolbox/classes/@param/param.m | 24 ++++++-----  
1 file changed, 21 insertions(+), 3 deletions(-)

-----  
[2014-06-12 17:08:46 +0200][ed81d6a] Martin Hewitson  
Make sure we copy the new origin property.

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

-----  
[2014-06-12 15:40:03 +0200][080bed9] Martin Hewitson  
Merge branch 'development' into MRH/parameter\_origins

-----  
[2014-06-12 15:37:59 +0200][31f1ae6] Martin Hewitson  
Add some information about the supported formats to make things clearer.

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

-----  
[2014-06-12 15:36:40 +0200][2fe72bf] Martin Hewitson  
Slight adjustment to the supported formats, which caused confusion for users. In the case of specifying time only, we build up from right to left (12:13 == mm:ss) whereas when we specify a full date and time, we format from left to right ('2012-11-10 12:13' == 'yyyy-MM-dd HH:mm')

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

-----  
[2014-06-12 13:10:55 +0200][732893c] Ingo Diepholz

Add a helpful function which truncate a string or a cell-array of strings to a given number of characters.

```
m-toolbox/classes/+utils/@helper/helper.m | 1 +
m-toolbox/classes/+utils/@helper/truncateString.m | 22 ++++++
2 files changed, 23 insertions(+)
```

-----  
[2014-06-11 19:08:39 +0200][b6b3001] Mauro Hueller  
Revert back to use nargchk, because narginchk is available only since R2011b.

```
m-toolbox/classes/+utils/@repository/report.m | 3 +-
m-toolbox/classes/@mfh/getFitErrors.m | 2 +-
m-toolbox/classes/@mfh/getJacobian.m | 2 +-
m-toolbox/classes/@mfh/num2cell.m | 6 +---
m-toolbox/classes/@mfh/testHessianMatrix.m | 2 +-
5 files changed, 8 insertions(+), 7 deletions(-)
```

-----  
[2014-06-11 18:59:27 +0200][7dc70a7] Mauro Hueller  
Updated requirements for LTPDA also in the User Manual

```
m-toolbox/html_help/help/ug/sysreqts_content.html | 8 +++---
1 file changed, 4 insertions(+), 4 deletions(-)
```

-----  
[2014-06-11 17:17:08 +0200][37fd91b] Martin Hewitson  
Bug fix: we need to pass the flag hasProperties.

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

-----  
[2014-06-11 16:38:47 +0200][1baa072] Martin Hewitson  
A first step refactoring paving the way for grouping parameters by origin in the html display.

```
m-toolbox/classes/@plist/tohtml.m | 102 ++++++-----
1 file changed, 56 insertions(+), 46 deletions(-)
```

-----  
[2014-06-11 16:38:11 +0200][6a23622] Martin Hewitson  
Adapt display to show the origin

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

-----  
[2014-06-11 16:37:56 +0200][d8fdc70] Martin Hewitson  
Attempt to capture the calling method as 'origin'

```
m-toolbox/classes/@param/param.m | 8 ++++++
1 file changed, 8 insertions(+)
```

-----  
[2014-06-11 16:37:30 +0200][31baa8b] Martin Hewitson  
Add an origin property.

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

-----  
[2014-06-11 16:22:33 +0200][dc010f6] Martin Hewitson  
Bug fix in parameter help.

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

-----  
[2014-06-11 15:33:25 +0200][7cdb70e] Martin Hewitson  
Mark plots as draft (which is kind of the default anyway).

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

-----  
[2014-06-11 15:33:04 +0200][67fdb01] Martin Hewitson  
When we add a repository patch, it is no longer draft.

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

-----  
[2014-06-11 15:32:06 +0200][07fe6c3] Martin Hewitson  
A tool to mark a plot as draft (or not) by making the legend border blue.

```
m-toolbox/classes/+utils/@plottools/makeDraft.m | 47 ++++++
m-toolbox/classes/+utils/@plottools/plottools.m | 2 ++
2 files changed, 49 insertions(+)
```

-----  
[2014-06-11 13:58:10 +0200][3d5df0a] Mauro Hueller  
Added a section about MacOS stuck on web/doc pages

m-toolbox/html\_help/help/ug/trouble\_shooting\_content.html | 14 ++++++++  
1 file changed, 14 insertions(+)

-----  
[2014-06-11 13:48:51 +0200][96b9636] Mauro Hueller  
Make bullets part of title

m-toolbox/html\_help/help/ug/trouble\_shooting\_content.html | 8 +++-----  
1 file changed, 4 insertions(+), 4 deletions(-)

-----  
[2014-06-11 11:58:50 +0200][67a4320] Martin Hewitson  
Bug fix: ensure we replace any ' in the string by ''

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

-----  
[2014-06-11 11:58:32 +0200][60a811a] Martin Hewitson  
Use the correct plist as a default to avoid missing key warnings.

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

-----  
[2014-06-10 16:19:04 +0200][4257ece] Ingo Diepholz  
Merge branch 'origin/Ingo/MANTIS/763' into 'development'

-----  
[2014-06-10 16:18:10 +0200][f7de5ad] Ingo Diepholz  
Bug fix: I have forgotten that the MATLAB command unique() sorts the output by default. But this is not what we want! --> I have added the option 'stable' to the unique method

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

-----  
[2014-06-10 16:07:18 +0200][3014882] James Ira Thorpe  
Fixed bug in pest/table that resulted in parameter names being listed alphabetically instead of in the proper order

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

-----  
[2014-06-09 17:24:54 +0200][afcca75] James Ira Thorpe  
Merge branch 'development' into GSFC/ssm\_conversion

-----  
[2014-06-06 15:29:22 -0400][9f193d1] James Ira Thorpe  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltppda/ltppda\_src into development

-----  
[2014-06-06 13:42:09 +0200][23a3270] Ingo Diepholz  
Open the page of the PLIST always in a new MATLAB Web browser window.

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

-----  
[2014-06-05 08:24:50 +0200][ecf7f55] Martin Hewitson  
Update dev version string.

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

-----  
[2014-06-03 18:39:17 +0200][bdd460a] Mauro Hueller  
Bug fix: in order to evaluate the coefficients, we need to prepare better the smodel inside the pest object

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

-----  
[2014-05-30 11:49:34 -0400][52f9d9a] James Ira Thorpe  
Fixed problem with using methods as a modifier

m-toolbox/classes/@ssm/c2d.m | 7 ++-----  
m-toolbox/classes/@ssm/d2c.m | 4 +---  
m-toolbox/classes/@ssm/d2d.m | 7 ++-----  
m-toolbox/classes/@ssm/modifyTimeStep.m | 44 ++++++-----  
4 files changed, 29 insertions(+), 33 deletions(-)

-----  
[2014-05-30 17:43:39 +0200][d4c9544] Mauro Hueller  
Help updated

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

-----  
[2014-05-30 10:56:37 -0400][53732f3] James Ira Thorpe  
fixed handling of default plists

m-toolbox/classes/@ssm/modifyTimeStep.m | 22 +-----  
1 file changed, 10 insertions(+), 12 deletions(-)

-----  
[2014-05-30 07:14:54 +0200][eb83bb7] Mauro Hueller  
Make sure that, in the case of exception being the 'degC' units, we also don't apply the data shifting

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

-----  
[2014-05-30 06:14:49 +0200][d7e38a3] Mauro Hueller  
Added an alternative key 'exceptions' so to harmonize the behavior with ao.simplifyYunits

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

-----  
[2014-05-30 06:05:17 +0200][649d7cb] Mauro Hueller  
Bug fix: we need to use isequal to compare the units

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

-----  
[2014-05-29 15:25:46 -0400][fa4a174] James Ira Thorpe  
Merge branch 'development' into GSFC/ssm\_conversion

-----  
[2014-05-29 15:25:26 -0400][ffca853] James Ira Thorpe  
Merge branch 'development' of gitmaster.atlas.aei.uni-hannover.de:ltpra/ltpra\_src into development

-----  
[2014-05-29 14:52:14 -0400][6e2f680] James Ira Thorpe  
new version of ssm/modifyTimeStep that allows user to utilize MATLAB ss conversion methods if control toolbox is available

m-toolbox/classes/@ssm/c2d.m | 18 +-  
m-toolbox/classes/@ssm/d2d.m | 14 +-  
m-toolbox/classes/@ssm/modifyTimeStep.m | 313 +-----  
3 files changed, 287 insertions(+), 58 deletions(-)

-----  
[2014-05-29 11:58:52 +0200][e224520] Nikos  
Added missed plist keys

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

-----  
[2014-05-29 11:48:46 +0200][05fd516] Martin Hewitson  
A more robust way of removing .git folders from the path. We must distinguish between .git folders and folders which contain .git in the name. For example, having a folder like ltpra\_extensions.git is fine, but we don't want folders called .git in the path.

m-toolbox/classes/+utils/@helper/remove\_git\_from\_matlabpath.m | 8 +-----  
1 file changed, 6 insertions(+), 2 deletions(-)

-----  
[2014-05-29 11:43:43 +0200][1c1b83a] Nikos  
Added the option to have a diagonal cross-spectrum matrix. Useful for multiple inputs/outputs

m-toolbox/classes/@MCMC/computeICSMatrix.m | 27 +-----  
m-toolbox/classes/@MCMC/getDefaultPlist.m | 5 +++++  
m-toolbox/classes/@MCMC/preprocess.m | 1 +  
3 files changed, 29 insertions(+), 4 deletions(-)

-----  
[2014-05-29 06:54:20 +0200][6013e25] Mauro Hueller  
Supporting the syntax where the input is a vector: ts = timespan([1 2]); ts = timespan([time(1), time(2)]);

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

-----  
[2014-05-29 06:52:33 +0200][571d0ea] Mauro Hueller  
Typo

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

-----  
[2014-05-28 22:28:45 -0400][11a5942] James Ira Thorpe  
Merge branch 'development' into GSFC/ssm\_conversion

-----  
[2014-05-28 22:27:32 -0400][3262f31] James Ira Thorpe

Added error check to see if control system toolbox is installed

```
m-toolbox/classes/@ssm/c2d.m | 5 +++++
m-toolbox/classes/@ssm/d2c.m | 5 +++++
m-toolbox/classes/@ssm/d2d.m | 5 +++++
3 files changed, 15 insertions(+)
```

-----  
[2014-05-28 22:18:26 -0400] [d446948] James Ira Thorpe  
Added ability to use methods as modifiers

```
m-toolbox/classes/@ssm/c2d.m | 39 +-----
m-toolbox/classes/@ssm/d2c.m | 50 +-----
m-toolbox/classes/@ssm/d2d.m | 38 +-----
3 files changed, 64 insertions(+), 63 deletions(-)
```

-----  
[2014-05-28 17:53:01 +0200] [617c6df] Ingo Diepholz  
Update first help line: This is necessary for the auto documentation.

```
m-toolbox/classes/@ao/ao.m | 24 +-----
m-toolbox/classes/@ao/ao2numMatrices.m | 2 +-
m-toolbox/classes/@ao/dispersionLoop.m | 2 +-
m-toolbox/classes/@ao/downsample.m | 2 +-
m-toolbox/classes/@ao/highpass.m | 2 +-
m-toolbox/classes/@ao/lowpass.m | 2 +-
m-toolbox/classes/@ao/modelSelect.m | 5 +++-
m-toolbox/classes/@ao/ppsd.m | 2 +-
m-toolbox/classes/@ao/preprocessDataForMCMC.m | 2 +-
m-toolbox/classes/@ao/qplot.m | 2 +-
m-toolbox/classes/@ao/quasiSweptSine.m | 4 +++-
m-toolbox/classes/@ao/rjsample.m | 1 +
12 files changed, 22 insertions(+), 28 deletions(-)
```

-----  
[2014-05-28 17:51:31 +0200] [ded66d2] Ingo Diepholz  
Small modification which tries to get the first line from the help. It might be that the method is defined in the constructor.

```
.../docHelper/getFirstCommentLine.m | 35 +-----
1 file changed, 19 insertions(+), 16 deletions(-)
```

-----  
[2014-05-28 17:50:05 +0200] [14fd44b] Ingo Diepholz  
Bug fix

```
.../help/createDocumentation/+createClassDesc/create_main_class_desc.m | 2 +-
1 file changed, 1 insertion(+), 1 deletion(-)
```

-----  
[2014-05-28 17:52:20 +0200] [63211f7] Mauro Hueller  
Removed version string

```
m-toolbox/m/built_in_models/smodel/smodel_model_oscillator_fd_tf.m | 2 --
m-toolbox/m/built_in_models/smodel/smodel_model_oscillator_sine.m | 2 --
m-toolbox/m/built_in_models/smodel/smodel_model_oscillator_step.m | 2 --
m-toolbox/m/built_in_models/smodel/smodel_model_sinewave.m | 2 --
m-toolbox/m/built_in_models/smodel/smodel_model_squarewave.m | 2 --
m-toolbox/m/built_in_models/smodel/smodel_model_step.m | 2 --
6 files changed, 12 deletions(-)
```

-----  
[2014-05-28 17:41:51 +0200] [dc1fcf0] Mauro Hueller  
Clarified error message

```
m-toolbox/classes/@LTPDAModelBrowser/LTPDAModelBrowser.m | 7 +++-
1 file changed, 4 insertions(+), 3 deletions(-)
```

-----  
[2014-05-28 16:31:49 +0200] [92a1060] Ingo Diepholz  
Add a description for MCMC and mfh.

```
.../help/createDocumentation/+docHelper/getDescriptionForClass.m | 4 +++
1 file changed, 4 insertions(+)
```

-----  
[2014-05-28 16:31:24 +0200] [8f9cff3] Ingo Diepholz  
Add the class documentation of the classes MCMC and mfh

```
m-toolbox/html_help/help/helptoc.xml | 2 ++
1 file changed, 2 insertions(+)
```

-----  
[2014-05-28 16:26:09 +0200] [b59014d] Ingo Diepholz  
These files are created by the function: createClassDesc.create\_class\_desc -> That means that it is not necessary to keep them in the git repository.

```
.../html_help/help/ug/class_desc_MCMC_content.html | 544 -----
.../help/ug/class_desc_cdata_content.html | 459 -----
.../help/ug/class_desc_fsdata_content.html | 699 -----
.../help/ug/class_desc_history_content.html | 519 -----
```

```

.../html_help/help/ug/class_desc_mfh_content.html | 650 -----
.../help/ug/class_desc_minfo_content.html         | 591 -----
.../help/ug/class_desc_param_content.html          | 483 -----
.../help/ug/class_desc_provenance_content.html     | 486 -----
.../html_help/help/ug/class_desc_pz_content.html   | 516 -----
.../help/ug/class_desc_specwin_content.html        | 486 -----
.../html_help/help/ug/class_desc_time_content.html | 552 -----
.../help/ug/class_desc_tsdata_content.html         | 711 -----
.../html_help/help/ug/class_desc_unit_content.html | 402 -----
.../help/ug/class_desc_xydata_content.html         | 603 -----
.../help/ug/class_desc_xyzdata_content.html        | 639 -----
15 files changed, 8340 deletions(-)

```

-----  
[2014-05-28 16:19:26 +0200][da36b5f] Ingo Diepholz  
Add class description for the classes: MCMC and mfh

```

.../html_help/help/ug/class_desc_MCMC_content.html | 544 ++++++
.../html_help/help/ug/class_desc_mfh_content.html  | 650 ++++++
2 files changed, 1194 insertions(+)

```