Change Log for LTPDA Toolbox v2.4

M Hewitson 16-05-11

Introduction

This version of LTPDA is 2.4. This document lists the changes since V2.3.1.

This version requires MATLAB 2010a or above.

The main focus of this release has been on code optimisation to improve execution speed and to aid in maintainability. There have also been some fairly major changes to the toolbox, so keep reading to find out what they are! In addition, a significant number of bugs and change requests have been addressed.

New features and major changes

Extension modules

LTPDA now supports 3rd party extension modules. See the LTPDA user manual for details how to build and install extension modules.

Note: this is now the supported way to add your own-built in models to LTPDA. The old scheme of adding directories in the LTPDA preferences is no longer supported and has been removed. Users with their own built-in models should build an extension module and move the models in to the extension module. The user manual explains where to put them.

Saving and loading AOs

1. `ao/save` If the user doesn't specify the filename then `save` saves the object(s) as a MAT file in the current folder using the variable name as a filename

2. The AO constructor for loading data from ASCII files now makes fewer assumptions about the content of the file. Instead the user is expected to pass more information in the

plist. The only assumption we make is that the data files contains at least one column of data. As such, the call

```
a = ao('mydata.txt')
```

will result in a cdata AO containing the all columns of data in the file stored as a matrix.

3. When constructing AOs from files, all file extensions other than 'xml' and 'mat' are treated as if they contain ASCII data.

Preferences

LTPDA preferences has new panel for configuring the default look of plots

Logical AOs

AOs now accept logical values for construction and we have some new logical logical operators (see below).

Plotting AOs

`ao/iplot` now has a new plist key for overriding the default legend font size `'LegendFontSize'`. You can also include object descriptions in the legend by setting the corresponding preference is set in LTPDAprefs.

`ao/iplot`: The use of the `'xmaths'`, `'ymaths'`, and `'zmaths'` parameters is now deprecated and will be removed in a future release.

Error propagation

More AO methods now propagate errors: `ao/scale`, `ao/power`, `ao/mtimes`, `ao/mrdivide`.

matrix constructors

We have some new constructors for the matrix class:

```
matrix(plist('values', ..., 'names', ..., 'yunits', ...))
matrix(doubleArray)
matrix(doubleArray, cellArray)
```

New class methods

1. `smodel/hessian` computes the hessian matrix for `smodels`
2. `ao/intersect` forms the intersection of two AOs
3. new logical binary operators for AO class: `ao/and`, `ao/or`
4. `ao/bicohere` computes the bicoherence of two input time-series. The result is a complex frequency-frequency-complex coherence map.

5. `ao/average` is a method to average AOs point-by-point. For each point, an average is taken over all the input objects.

6. New AO factory constructors:
   1. `ao.randn(nsecs, fs)` - produces a time-series of random numbers
   2. `ao.randn(nsamples)` - produces a cdata AO of random numbers
   3. `ao.sinewave(nsecs, fs, f0, phi)` - produces a time-series of a sine-wave
   4. `[o1, o2, ...] = ao.load(filename)` - load multiple objects from a file. You need to know how many objects are in the file so that you can specify the correct number of output objects.

7. `ltpda_uoh/requirements` - lists the required extensions for rebuilding an object.

8. `ao/zunits` - returns the zunits of an xzydata AO

9. `ao/setZunits` - sets the units of the z-data for an xyzdata AO

10. We added a new AO constructor from a parameter contained in a plist. Suppose we have a plist containing a key `'a'`, then we can make a cdata AO with the value of `'a'`. Other properties are also used in constructing the AO (at the moment only properties 'unit' and 'units' are supported). All properties are added to the procinfo.

    e.g. `a = ao(plist('parameter', pl, 'key', 'a'))`

Methods removed

Some LTP-specific methods have been removed and moved in to extension modules.

The following were all moved to the LPF_DA_Module extension module:
1. `ao/ltp_ifo2ac`
2. `ao/smallvec_coef`
3. `ao/smallvector_lincom`
4. `ao/smallvectorfit`
5. `ao/mdc1_ifo2acc_inloop`
6. `ao/mdc1_ifo2cont_utn`
7. `ao/mdc1_cont2act_utn`
8. `ao/mdc1_ifo2control`
9. `ao/mdc1_ifo2acc_fd_utn`
10. `ao/mdc1_x2acc`
11. `ao/mdc1_ifo2acc_fd`
12. `pest/LTPimperf2physParams`

The AO constructors ‘from GEO Server’ and ‘from NDS Server’ have been removed and replaced by built-in models in the GEO LTPDA Extension module.

Other methods removed which were deprecated in previous releases:

1. `ao/pwelch` - use `ao/psd` instead
2. `ao/curvefit` - use `ao/xfit` or `ao/tdfit` instead
3. `ao/straightLineFit` - use `ao/linfit` instead
4. `ao/timedomainfit` - use `ao/lscov` instead
5. `pest/toAO` - use `pest/find` instead
6. `ao/ltpda_fitChiSquare`
7. `ao/hist_gauss` - use `ao/hist` instead

Multiplying matrices of AOs

Given two matrices of AOs, the inner multiplication operator has changed from a matrix multiplication to an element multiplication.

```
M1 = [a1 a2; a3 a4]; % a# is an AO
M2 = [b1 b2; b3 b4]; % b# is an AO
M = M1*M2
```

then `M(1) = a1.*b1 + a2.*b3`

Method outputs

The output of some methods are now matrix objects and no longer vectors of AOs to make rebuilding work:

1. `ssm/simulate`
2. `ssm/CPSD`
3. `ssm/PSD`
4. `ssm/bode`
5. `ssm/kalman`
6. `ssm/resp`

To retrieve the AOs from inside the matrix object in a 'history safe' way, use `matrix/getObjectAtIndex`.

`matrix/det` no longer returns a matrix object, but instead an object of the same class as the inner objects.

`ao/rotate` no longer supports the multiple output function call.

Changes to evaluating smodel and pest object

The `smodel/double` method has been harmonized with MATLAB double: the values for the independent variables *x* must now be vectors of double, and they must be set before the call to the method, that now has no parameters.

The `smodel/eval` method has been changed to build the output AO based on these parameters: `'output type'` to choose the output data type `'output x'`, to choose the X values for the output data AO. In case of a double vector, the result is a cdata AO. In case of an ao, the output is a copy of this object but the `'y'` field is calculated from the model.

As a consequence, the `pest/eval` method has been modified. If the user inputs the independent variable values XDATA within AOs, their `'y'` field will be used if not otherwise specified. This is different from previous versions of the toolbox. Furthermore, if the user inputs the independent data XDATA within AOs, the output data type will be of the same type.

smodel class has new properties

The properties `aliasNames` and `aliasValues` can be used to defines variable aliases which are then used in the model expression.

Built-in model format

The format of built-in models was completely written to allow a more flexible versioning of models. You can build new-style built-in models using the utility `utils.models.makeBuiltInModel()`. See the documentation for more details.

ssm class user-interface

The user interface of some ssm class methods was simplified and changed. As such, some old usages may no longer work. Please consult the relevant method help if you encounter any problems.

Detrending

Default detrending order in `ao/detrend` was changed from 0 to 1 to match the corresponding MATLAB detrend behaviour.

Other Minor Changes of Note

1. The verbose level for many output messages was increased to make LTPDA a bit quieter.
2. User objects now have an empty default name.
3. `ao/search` now properly tracks history
4. constructing AOs from data files (`'from ASCII'` constructor) works with arbitrary delimiters now. The delimiter can be set in the plist.
5. `ao/fft` and `ao/ifft` support a scaling option (`'scale'` plist key) which scales the output by the sampling rate if the AO is a time-series.
6. ssm class speed improvements for bode and simulate
7. `ao/select` now returns an AO with the x-field filled, even if the result is evenly sampled. The idea here is that selecting samples from a vector (especially a time-series) is not well defined in terms of the resulting sample rate. So we leave the x data alone and let the user decide what to do next.

MANTIS Issues Resolved

0000529	Bug Report	LTPDAPrefs GUI not reading the .dot file location
0000528	Bug Report	Rebuilt library does not become live until the workbench is restarted
0000527	Bug Report	inconsistency in AO cdata/xydata class for handling logicals.
0000525	Bug Report	Error message: ??? Operands to the || and && operators must be convertible to logical scalar values. Error in ==> param.getVal
0000518	Bug Report	pzmodel help/documentation
0000516	Bug Report	Problem with default preferences being written on first use
0000515	Bug Report	ao/transpose not working for cdata aos
0000513	Bug Report	ao/join with data not in sequence
0000512	Change Request	FFT/IFFT unit conventions and scaling

0000508	Change Request	Make the parameter overview table editable.
0000507	Change Request	FIlter by key the parameter overview table
0000506	Bug Report	Length of the pipeline name is not updated upon pipeline renaming
0000503	Change Request	Don't limit the loading of ASCII files to .txt and .dat
0000502	Bug Report	Loading single column ascii files
0000501	Bug Report	Arithmetic operations on frequency-series
0000498	Bug Report	LTPDAworkbench/reset has a bug in V2.3
0000497	Bug Report	Remove all mention of non-user classes from the user manual
0000496	Bug Report	Specifying multiple values for 'Xunits' key of ao/iplot
0000495	Bug Report	ltpda_filter/impresp has fixed sample rate.
0000488	Bug Report	Problem with ltpda_startup and LTPDARepositoryManager
0000487	Bug Report	Java error choosing repository
0000486	Bug Report	Original wb filename is stored inside pipelines
0000485	Bug Report	Resize the library tree when gui is maximized
0000481	Bug Report	ao/submit fails to create meta data.
0000480	Bug Report	The Web interface on objmeta table shows: validation, validation date and author , the datail page shows only 2
0000478	Bug Report	Retrieving objects from database, when not specifying completely hostaname, database, username
0000476	Bug Report	Cannot change the size of the pipeline window
0000474	Bug Report	ssm/kalman: parameter 'select' is of wrong type.
0000473	Bug Report	ssm/simulate: field AOS default value lacks a left square bracket.
0000470	Change Request	The databases 'tsdata' table should also store the timezone of the 't0'
0000465	Bug Report	Keyboard shortcut CTRL+O does not work.
0000460	Bug Report	no plot is available with frequency series with 1 point size
0000459	Bug Report	no plot is available with time series with 1 point size.
0000458	Bug Report	Web repository interface generate wrong iplot.
0000458	Bug Report	Web repository interface generate wrong plot
0000457	Bug Report	ao.table doesn't show third column with xyz data.
0000447	Bug Report	ltpdareporobot error
0000444	Bug Report	Submitting 1 object with proc5 verbose i get submitting 2 objects to repository.
0000443	Bug Report	After deleting a object the submit button is still enable

0000442	Bug Report	Interpolation methods 4 resample and downsample.
0000438	Bug Report	Error changing model during execution
0000437	Bug Report	Annoying parameter editing issue
0000434	Bug Report	Annoying zoom problem
0000433	Bug Report	mysql-connector-java-5.1.6-bin.jar is installed in two copies.
0000427	Bug Report	Up arrow and down buttons don't work in execution plan form
0000426	Bug Report	Hitting cancel in the execution Plan panel the modified parameters are stored
0000424	Bug Report	NullPointerException using PEST constructor.
0000421	Bug Report	delay prameter missing in pzmodel plist and is present in mfir from pzmodel
0000420	Bug Report	AO built-in FreeDyn_1: suspicius error message.
0000417	Bug Report	Pole/Zero model editor: problem reading the value of a modified gain.
0000416	Bug Report	Issues reading LISO files.
0000412	Bug Report	Web documentation: downsample, etc.
0000411	Bug Report	SSM: some built-in models generate errors.
0000409	Bug Report	Pzmodel from parfrac conversion problem.
0000403	Bug Report	Plot of different xunits.
0000401	Bug Report	Some Ghost subsystem when iconize all command
0000390	Bug Report	Warning should be given if plist contains parameters that are not applicable.
0000389	Bug Report	Java error when opening the Char prefs of the annotation into the LTPDAWorkbench preferences
0000387	Bug Report	The relational operators do not mention the "exceptions" parameters in their help
0000381	Bug Report	miir.resp and filterbank.resp have different plists.
0000375	Bug Report	Error using the "include in legend" checkbox.
0000370	Bug Report	Setting plotinfo marker stops execution and throws exception
0000360	Change Request	saving the submit info into a file
0000355	Change Request	We have two positions in the cvs where we store the jar files -> remove one.
0000354	Bug Report	Two different plots swapping inputs (sum function on x axis).
0000349	Bug Report	Wrong pipe creation when trying to create a pipeline from an input port and an object
0000339	Bug Report	Problem with subsystem execution
0000333	Bug Report	Wrong error message when constructing a miir with fc [0.1 0.6] and fs 1.
0000327	Bug Report	Parfrac constructor ignores a parameter and does not show errors/warnings
0000301	Bug Report	We should not store the password of a connection that was refused because of wrong credentials

0000280	Bug Report	Documentation: some classes do not provide examples or information.
0000277	Bug Report	WEB INTERFACE: graph shows wrong x-axis
0000258	Change Request	Provide a way to load submission info fields from a simple text file.
0000245	Bug Report	iplot labels/legends with real and complex objects
0000244	Bug Report	Problem handling PORT choice
0000220	Bug Report	the operation remove output to MUX block or input to Demux Block are undoable
0000201	Change Request	The class filterbank needs a response method.
0000133	Bug Report	Coefficients reported by ao/detrend are wrong
0000053	Change Request	change zDomainFit so that it returns the best paramters and not the last iteration.
0000027	Change Request	Units conversion to SI method.

Complete CVS Changes

```
2011-05-12 10:08  hewitson

      * tests/:
        plotting/aoplotter/@test_aoplotter_aoplotter/test_aoplotter_aoplotter.m,
        plotting/aoplotter/@test_aoplotter_aoplotter/test_data.m,
        plotting/plotter/@test_plotter_plotter/test_data.m,
        plotting/plotter/@test_plotter_plotter/test_plotter.m,
        plotting/plotter/@test_plotter_plotter/test_plotter_plotter.m,
        stattest/@test_stattest_stattest/test_copy.m,
        stattest/@test_stattest_stattest/test_save_load.m,
        plotting/aoplotter/@test_aoplotter_singlePlots/test_aoplotter_singlePlots.m,
        stattest/@test_stattest_stattest/test_stattest_stattest.m: Remove
        these from the CVS since we don't want the stattest object and
        the plotter stuff was just a prototype.

2011-05-12 10:06  hewitson

      * @ao/setZunits.m: Add setter for the zunits.

2011-05-12 09:46  mauro

      * @ao/xfit.m: Help updated to reflect the new behavior of pest/eval

2011-05-12 08:52  hewitson

      * @ao/bicohere.m: Bug fix: the starting matrix size was wrongly
        computed.

2011-05-12 06:35  mauro

      * @ao/xfit.m: Fixed syntax errors in the help

2011-05-12 05:37  mauro

      * @ao/polyfit.m: Help updated to reflect the new behavior of
        pest/eval

2011-05-11 17:12  ingo

      * tests/database/@ltpda_objmeta_table/test_objmeta_version.m: Add
        some more information in the error case.

2011-05-11 17:08  ingo
```

* tests/database/@ltpda_objmeta_table/ltpda_objmeta_table.m: Small change to meta data information.

2011-05-11 10:47 mauro

* @ao/linfit.m: Fixed the example to comply with the new behavior of pest/eval

2011-05-11 10:45 mauro

* @pest/eval.m: Changed to: +) if XDATA are aos, guess the output data type form the input data type +) if XDATA are aos, always use the 'y' field if not otherwise specified. This is different from the previous behavior +) use utils.helper.setoutputs

2011-05-11 10:42 mauro

* @ao/dsmean.m: Use utils.helper.setoutputs to set outputs Cosmetic changes

2011-05-11 09:52 mauro

* @smodel/eval.m: Supporting 'output type' to be empty. In this case we go for a cdata.

2011-05-11 09:24 mauro

* @ao/polyfit.m: Use utils.helper.setoutputs to set outputs

2011-05-11 07:23 mauro

* @smodel/mrdivide.m: Use callerIsMethod Help updated Use smodel.mergeFields

2011-05-10 23:00 mauro

* @smodel/mtimes.m: Use callerIsMethod Help updated Use smodel.mergeFields in the 1D case

2011-05-10 22:43 mauro

* @smodel/elementOp.m: Use the new method smodel.mergeFields

2011-05-10 22:40 mauro

* @smodel/: mergeFields.m, smodel.m: Added a static, hidden method that takes care of the field checking, merging etc

2011-05-10 22:36 mauro

* @smodel/: rdivide.m, times.m: Use utils.helper.setoutputs to set outputs

2011-05-10 22:35 mauro

* @smodel/: minus.m, plus.m: Help updated

2011-05-10 22:28 mauro

* @smodel/: minus.m, plus.m: Use utils.helper.setoutputs to set outputs

2011-05-10 18:51 mauro

* @ao/select.m: The behavior is now: we never collapseX on tsdata if we select samples. The user is expecting to have 'peculiar' data after selecting samples with a list. Use utils.helper.setoutputs to set outputs Cosmetic changes

2011-05-10 18:47 mauro

* @tsdata/collapseX.m: Cosmetic change to variable name

2011-05-10 18:46 mauro

	* @ao/bin_data.m: Use utils.helper.setoutputs to set outputs Use
	  plist/applyDefaults

2011-05-10 16:10 mauro

	* @smodel/elementOp.m: It is not very smart to assign the yunits of
	  a smodel to a pure number.

2011-05-10 13:07 luigi

	* @smodel/assignalias.m: handle correctly trans and xvars

2011-05-10 00:14 mauro

	* @ltpda_uoh/setDescription.m: Support case 2. of the help Use
	  utils.helper.setoutputs to set outputs Use plist/applyDefaults

2011-05-10 00:11 mauro

	* @ao/simplifyYunits.m: Use utils.helper.setoutputs to set outputs
	  Use plist/applyDefaults

2011-05-10 00:08 mauro

	* @ao/setYunits.m: Support case 2. of the help

2011-05-09 23:57 mauro

	* @smodel/elementOp.m: Handling better (I hope) the case of
	  combination with a number or a cdata ao

2011-05-09 23:56 mauro

	* @smodel/display.m: Updated to comply with the trans that now are
	  only strings

2011-05-09 23:42 mauro

	* @smodel/elementOp.m: Rewritten to allow merging of: parameters,
	  values, xvar, xvals, aliases New rules: 1) if one of the two
	  values is empty, take the other 2) if the values do not coincide,
	  throw an error To be finished with trans support

2011-05-09 21:52 ingo

	* @pest/eval.m: Remove the 'internal' flag because smodel/eval
	  doesn't support this flag.

2011-05-09 21:51 ingo

	* @LTPDAworkbench/parseBlocks.m: Use the 'block name' for the
	  object name for the cases that: - the object name is 'None' - the
	  object name is empty (this is new)

2011-05-09 13:01 mauro

	* @smodel/setParams.m: If setting a parameter with an empty value,
	  inside a smodel where parameters exist and have values, make sure
	  we insert a [] rather than doing nothing. This should ensure
	  that the params/values are either N<->0 or N<->N

2011-05-07 08:56 mauro

	* @ao/ao.m: Udpated to adapt to the new behavior of smodel/eval Use
	  the callerIsMethod flag UTP updated accordingly

2011-05-07 08:55 mauro

	* @ao/fromSModel.m: Udpated to adapt to the new behavior of

```
        smodel/eval

2011-05-07 07:16  mauro

      * @smodel/eval.m: Removed the property setting workaround

2011-05-07 07:15  mauro

      * @ao/: fromVals.m, fromXYVals.m: Restored the 'setProperties'
        step. We'll find an optimization later on.

2011-05-06 23:07  mauro

      * @ao/timeaverage.m: Use the ao/setXY method.

2011-05-06 08:44  mauro

      * @ao/bin_data.m: Use the ao/setXY method.

2011-05-05 23:02  mauro

      * @smodel/eval.m: A major rewrite. Now the output AO is built from
        the smodel. based on these parameters: 'output type' to choose
        the output data type 'output xunits' to choose the X units for
        the output ao 'output x', to choose the X values for the output
        data ao. In case of a double vector, the result is a cdata AO. In
        case of an ao, the output is a copy of this object BUT the ''y''
        field is calculated from the model.

2011-05-05 22:56  mauro

      * @ao/ao.m: Introduced the callerIsMethod flag for the
        ao/fromXYVals calls

2011-05-05 22:54  mauro

      * @ao/fromXYVals.m: Introduced the callerIsMethod flag Removed
        unused parameter 'N'

2011-05-05 22:52  mauro

      * @ao/fromVals.m: Do not deal with info if the caller is a method

2011-05-05 22:50  mauro

      * @smodel/setXunits.m: Try a more sensible name

2011-05-05 22:50  mauro

      * @ao/: setX.m, setY.m: Introduced a check about the size of the x
        and y fields Use utils.helper.setoutputs for the outputs

2011-05-05 17:21  ingo

      * @ao/tdfit.m: bug fix: Please don't use the tilde '~' for an
        output of a function if you don't need the variable. This doesn't
        work for older MATLAB versions!

2011-05-05 16:18  miquel

      * +utils/@math/mhsample.m: removed the 'set' key from plist. Added
        the 'numeric output' to true so that the output of bode is 4
        objs.  mcmc works again with ssm objs.

2011-05-05 16:18  ingo

      * tests/database/@ltpda_objmeta_table/test_objmeta_version.m: add
        output for better understanding why the test fail.

2011-05-05 16:17  ingo

      * tests/database/@ltpda_objmeta_table/test_objmeta_submitted.m:
```

```
        Increase the duration between the submitting time and checking
        time to an hour.  Add an output if the assertion fail

2011-05-05 16:16  miquel

      * @matrix/mcmc.m: bug fix. Also added factory plist as used in
        linfitsvd

2011-05-05 16:10  ingo

      * +utils/@helper/remove_cvs_from_matlabpath.m: bug fix: Please
        don't use the tilde '~' for an output of a function if you don't
        need the variable. This doesn't work for older MATLAB versions!

2011-05-05 14:29  hewitson

      * @time/: minus.m, plus.m: Perform operations using milliseconds
        rather than seconds. This decreases the numerical errors since we
        are more likely to be adding numbers which are integers. It
        doesn't really help for large sample rates (>1000) since we still
        hit the eps of the machine. But for sample rates like 10Hz, it
        works better this way.

        A test to do is to take a long time-series, split it in to 100
        pieces, then join it again and you see that the sample rate is
        not the same as the original because the individual chunks have
        slightly wrong t0 values so when they are joined we get gaps at
        the boundaries which are not one sample long.

2011-05-05 13:35  hewitson

      * @tsdata/collapseX.m: I think the logic was wrong here. We should
        only set the sample rate, if we actually fitted it (recomputed
        it) in fitfs. Otherwise we end up with numerical errors creeping
        in.

        Test case:

        a = ao.randn(100000,10) as = split(a, plist('chunks', 100)) b =
        join(as) a.fs ~= b.fs

2011-05-04 21:48  mauro

      * @ao/ao.m: Remove the t0 parameter because it was moved inside the
        factory plist TSDATA_PLIST

2011-05-04 21:41  mauro

      * @plist/plist.m: Added 't0' parameter to the factory plist
        TSDATA_PLIST

2011-05-04 07:29  mauro

      * @smodel/setXunits.m: Support empty string as input An attempt to
        use a generalized error message

2011-05-04 07:03  mauro

      * +utils/@prog/rstruct.m: Removed dead code Cosmetics

2011-05-04 06:59  mauro

      * @smodel/smodel.m: Going back to xunits to be an empty unit. The
        empty unit vector was impossible to handle by the constructor
        from struct

2011-05-03 17:20  hewitson

      * @ltpda_obj/eq.m: Added a warning identifier.

2011-05-03 15:15  ingo
```

```
	* tests/database/@ltpda_objmeta_table/test_objmeta_version.m: I
	  have no idea why this test fail. Maybe older MATLAB versions
	  don't like error messages in the assert-method.  One other reason
	  can be that the test machine have installed two LTPDA versions?

2011-05-03 15:13  ingo

	* tests/database/@ltpda_objmeta_table/test_objmeta_submitted.m: I'm
	  checking the submit time by comparing the submit time and the
	  current time plus 10 minutes. Maybe it is necessary to increase
	  the duration between the submit time and the checking time
	  because our current test runner built all test-objects (here we
	  submit the objects) before we run the tests.

2011-05-03 15:10  ingo

	* tests/database/@ltpda_fsdata_table/test_fsdata_fs.m: bug fix:
	  Special case if the frequency is NaN because in this case stores
	  the database an empty array [].

2011-05-03 06:19  mauro

	* @ltpda_uoh/setProperties.m: Use utils.helper.setoutputs to set
	  the outputs

2011-05-02 22:18  mauro

	* @smodel/smodel.m: Make sure the xunits field is a vector of units
	  objects Methods list reorganized Public methods list removed

2011-05-02 16:18  luigi

	* @matrix/linlsqsvd.m: added a simplify for y units

2011-05-02 16:12  luigi

	* @matrix/getObjectAtIndex.m: assign proper name is output name
	  will be empty

2011-05-02 11:56  luigi

	* @ao/getdof.m: cosmetics to default plist

2011-05-02 07:23  mauro

	* @smodel/double.m: Properly support empty xvals

2011-04-30 14:25  adrien

	* @ao/: gapfillingoptim.m, spsd.m: Correcting factor 2 in dy, and
	  replaced the "nBinsEffs" by "nDofs", the number of degree of
	  freedom of the Chi distributions

2011-04-29 17:31  adrien

	* @ao/spsd.m: Debugged, and now working chi-based variance
	  estimation

2011-04-29 17:02  ingo

	* +utils/@helper/isSubclassOf.m: Add an error for the case that the
	  user uses a class name which is not defined. (like 'foo')

2011-04-29 16:58  ingo

	* +utils/@helper/isSubclassOf.m: Use the MATLAB method lt(metaObj,
	  metaObj) instead of our own method because this method works also
	  for MATLAB 2009b.

2011-04-29 16:39  hewitson

	* @ao/spsd.m: Don't use a MATLAB function name (std) as a variable.
```

```
        New MATLAB versions don't like this.

2011-04-29 16:25  hewitson

      * +utils/@models/mainFnc.m: Make sure the combined plist is copied
        to go in the history. Sometimes authors modify the plist inside
        the model without copying it first, and this breaks rebuilding.
        So we add this safety measure, even at the slight cost of
        run-time.

2011-04-29 15:54  luigi

      * @ao/confint.m: output data are now collected in a collection
        object

2011-04-29 11:30  hewitson

      * +utils/@models/mainFnc.m: Before trying to add history, check the
        object is a subclass of ltpda_uoh.

2011-04-29 11:30  hewitson

      * tests/models/@ltpda_builtin_model_utp/:
        test_builtin_model_info.m, test_builtin_model_versions.m: Some
        tests only work on user-objects with history, so we need to check
        the object class since we support built-in models of user-objects
        as well.

2011-04-29 09:18  hewitson

      * +utils/@models/makeBuiltInModel.m: Added some more output
        information and we edit the new model right at the end.

2011-04-29 09:16  hewitson

      * +utils/@models/makeBuiltInModel.m: Decided to simplify this for
        the user since we only support models in extension modules. So
        now the utility accepts the path to the extension module and
        creates standard paths within there for the model and for the
        test class.

2011-04-29 09:06  hewitson

      * +utils/@models/models.m: Added the prototypes for the new model
        main function and the new model builder.

2011-04-29 09:05  hewitson

      * +utils/@models/: built_in_model_template.m,
        built_in_model_unittest_template.m, makeBuiltInModel.m: A new
        utility for making built-in models. The utility uses template
        files for the model and for a test-class to build the model and
        the test-class where the user specifies. The tests are also run
        after the model and test-class are created.

2011-04-29 09:04  hewitson

      * +utils/@models/mainFnc.m: A new utility method which allows the
        main function of built-in models to be reduced to a single call.
        This also allows us to change this main function without having
        to touch the model files again. However, we do have to implement
        this in all model files.

2011-04-28 23:36  mauro

      * @ao/fftfilt.m: Comply with the cell-array container for xvar Use
        the applyDefaults and utils.helper.setoutputs utilities

2011-04-28 23:31  mauro

      * @ao/: fft.m, ifft.m: Use the applyDefaults and
        utils.helper.setoutputs utilities
```

2011-04-28 21:50 mauro

	* @smodel/: setAliasNames.m, setAliasValues.m, setAliases.m,
	  setParameters.m, setParams.m, setTrans.m, setXunits.m,
	  setXvals.m, setXvar.m, setYunits.m: Use the
	  utils.helper.setoutputs to set outputs Code harmonization

2011-04-28 21:09 luigi

	* @ao/confint.m: huge code improvement and restructuring

2011-04-28 17:19 luigi

	* @ao/getdof.m: code improvement

2011-04-28 15:52 mauro

	* @smodel/double.m: Modified according to agreed notes: - accepts
	  only doubles - less checks on values

2011-04-28 15:26 hewitson

	* @LTPDAworkbench/rebuildLibrary.m: Make sure we add any ltpda_uo
	  subclasses coming from extension modules.

	  Also cleaned up some dead code.

2011-04-28 15:25 hewitson

	* +utils/@helper/: isSubclassOf.m, helper.m: A new utility which
	  checks if a given class is a subclass of another class.

2011-04-28 14:18 hewitson

	* tests/@ltpda_test_runner/get_tests_in_dir.m: There is no need
	  (and in fact it's bad) to add the path during run-time.

2011-04-28 13:00 luigi

	* @ao/getdof.m: method updated, it was broken by a change in
	  history handling

2011-04-27 21:44 ingo

	* tests/@ltpda_utp/ltpda_utp.m: Add the field testRunner.

2011-04-27 21:43 ingo

	* tests/@ltpda_utp/init.m: Dummy method which we execute after we
	  have build the UTP.

2011-04-27 21:42 ingo

	* tests/@ltpda_test_runner/ltpda_test_runner.m: - set the property
	  'repositoryPlist' to an empty array. - add a function
	  skipRepoTests() which checks if it is possible to test a
	  database.

2011-04-27 21:40 ingo

	* tests/@ltpda_test_runner/: get_tests_for_class.m,
	  get_tests_in_dir.m: Set the ltpda_test_runner to the UTP and
	  executes a init function for the UTP. This is necessary for
	  example for testing the database. We commit in this init() the
	  test objects and uses the stored IDs to check the tables.

2011-04-27 21:37 ingo

	* tests/: ao/@test_ao_ao_table/test_ao_ao_table.m,
	  ao/@test_ao_cdata_table/test_ao_cdata_table.m,
	  ao/@test_ao_fsdata_table/test_ao_fsdata_table.m,

```
        ao/@test_ao_objmeta_table/test_ao_objmeta_table.m,
        ao/@test_ao_tsdata_table/test_ao_tsdata_table.m,
        ao/@test_ao_xydata_table/test_ao_xydata_table.m,
        database/@ltpda_ao_table/ltpda_ao_table.m,
        database/@ltpda_ao_table/test_ao_data_id.m,
        database/@ltpda_ao_table/test_ao_data_type.m,
        database/@ltpda_ao_table/test_ao_description.m,
        database/@ltpda_ao_table/test_ao_mdlfilename.m,
        database/@ltpda_ao_table/test_ao_mfilename.m,
        database/@ltpda_cdata_table/ltpda_cdata_table.m,
        database/@ltpda_cdata_table/test_cdata_xunits.m,
        database/@ltpda_cdata_table/test_cdata_yunits.m,
        database/@ltpda_database/init.m,
        database/@ltpda_database/ltpda_database.m,
        database/@ltpda_fsdata_table/ltpda_fsdata_table.m,
        database/@ltpda_fsdata_table/test_fsdata_fs.m,
        database/@ltpda_fsdata_table/test_fsdata_xunits.m,
        database/@ltpda_fsdata_table/test_fsdata_yunits.m,
        database/@ltpda_objmeta_table/init.m,
        database/@ltpda_objmeta_table/ltpda_objmeta_table.m,
        database/@ltpda_objmeta_table/test_objmeta_additional_authors.m,
        database/@ltpda_objmeta_table/test_objmeta_additional_comments.m,
        database/@ltpda_objmeta_table/test_objmeta_analysis_desc.m,
        database/@ltpda_objmeta_table/test_objmeta_author.m,
        database/@ltpda_objmeta_table/test_objmeta_created.m,
        database/@ltpda_objmeta_table/test_objmeta_experiment_desc.m,
        database/@ltpda_objmeta_table/test_objmeta_experiment_title.m,
        database/@ltpda_objmeta_table/test_objmeta_hostname.m,
        database/@ltpda_objmeta_table/test_objmeta_ip.m,
        database/@ltpda_objmeta_table/test_objmeta_keywords.m,
        database/@ltpda_objmeta_table/test_objmeta_name.m,
        database/@ltpda_objmeta_table/test_objmeta_obj_type.m,
        database/@ltpda_objmeta_table/test_objmeta_os.m,
        database/@ltpda_objmeta_table/test_objmeta_quantity.m,
        database/@ltpda_objmeta_table/test_objmeta_reference_ids.m,
        database/@ltpda_objmeta_table/test_objmeta_submitted.m,
        database/@ltpda_objmeta_table/test_objmeta_validated.m,
        database/@ltpda_objmeta_table/test_objmeta_vdate.m,
        database/@ltpda_objmeta_table/test_objmeta_version.m,
        database/@ltpda_tsdata_table/ltpda_tsdata_table.m,
        database/@ltpda_tsdata_table/test_tsdata_fs.m,
        database/@ltpda_tsdata_table/test_tsdata_nsecs.m,
        database/@ltpda_tsdata_table/test_tsdata_t0.m,
        database/@ltpda_tsdata_table/test_tsdata_xunits.m,
        database/@ltpda_tsdata_table/test_tsdata_yunits.m,
        database/@ltpda_xydata_table/ltpda_xydata_table.m,
        database/@ltpda_xydata_table/test_xydata_xunits.m,
        database/@ltpda_xydata_table/test_xydata_yunits.m: new unit tests
        which tests the different tables of a database.

2011-04-27 21:35  ingo

      * +utils/@helper/objdisp.m: displays the class ltpda_test_runner.

2011-04-27 19:27  adrien

      * @ssm/: cpsdForCorrelatedInputs.m, cpsdForIndependentInputs.m:
        future replacement function for ssm/psd and ssm/cpsd

2011-04-27 19:21  adrien

      * @ssm/CPSD.m: correcting description

2011-04-27 19:20  adrien

      * @ao/gapfillingoptim.m: Two bug removed :  one wrong value for a
        criterion and a parameter which was wrongly removed

2011-04-27 19:17  adrien

      * @ao/spsdSubtraction.m: debug : a sum too much
```

2011-04-27 19:17 adrien

	* @ao/spsd.m: Now standard deviation is really based on Chi
	  distribution laws

2011-04-27 18:53 ingo

	* tests/plotting/:
	  aoplotter/@test_aoplotter_aoplotter/test_aoplotter_aoplotter.m,
	  aoplotter/@test_aoplotter_singlePlots/test_aoplotter_singlePlots.m,
	  plotter/@test_plotter_plotter/test_plotter_plotter.m: Add
	  constructor

2011-04-27 18:52 ingo

	* tests/models/: @ltpda_builtin_models_filterbank_utp/Contents.m,
	  @ltpda_builtin_models_miir_utp/Contents.m: remove Contents file.

2011-04-27 14:45 hewitson

	* @LTPDAprefs/: LTPDAprefs.m, cb_addModelPath.m, cb_guiClosed.m,
	  cb_removeModelPath.m, loadPrefs.m: Remove support for directories
	  of built-in models. The user is warning when the preferences are
	  loaded if they have some directory paths set. The user is told to
	  make an extension module and to look in the help to see how to do
	  it.

2011-04-27 13:49 hewitson

	* @ltpda_obj/ltpda_obj.m: Changed the prototype for eq and ne, thus
	  allowing the multiple output of eq to work now.

2011-04-27 13:40 hewitson

	* @pest/eval.m: Some proper preprocessing of the input x values
	  according to the rules in the help. We also support x values
	  which are an input array of AOs. Not sure if this breaks other
	  things, but it was anyway broken as it was.

2011-04-27 12:58 hewitson

	* @mfir/fromAO.m: Handle the case that the plist doesn't contain a
	  specwin object but rather just the parameters for it, since we
	  now don't add specwin objects to the history plist.

2011-04-27 12:12 hewitson

	* @ltpda_uoh/addHistory.m: Bug fix: we also need to capture the
	  window length when converting a specwin object to its plist
	  equivalent values.

2011-04-27 11:59 hewitson

	* @ltpda_obj/eq.m: Bug fix: allow for the case of no outputs.

2011-04-27 08:46 hewitson

	* @ltpda_obj/eq.m: Trying to allow an additional output to eq() so
	  as to retrieve the message. So far I couldn't make this work,
	  perhaps because this is a method we override. What I've done so
	  far is to use warning() instead of just displaying the message.
	  This allows us to retrieve the message via lastwarn(). Not
	  perfect, but useful for the unit tests. I'll leave the other code
	  in place in case I figure out how to return an additional output
	  from eq().

2011-04-27 07:41 mauro

	* @ao/: lpsd.m, psd.m: Help harmonization

2011-04-27 07:40 mauro

```
      * @plist/plist.m: Help cosmetics and harmonization

2011-04-22 23:14  mauro

      * @param/setDefaultOption.m: Support the case where the option is a
        paramValue.  This happens with the current implementation of
        plist/applyDefaults, when a method calls another method and
        inherits the plist, and the plist has paramValues in This should
        fix the broken ao/buildWhitener1D

2011-04-21 07:41  mauro

      * @plist/plist.m: Removed mention of specwin objects

2011-04-21 07:37  mauro

      * +utils/@helper/process_spectral_options.m: Throw an error if the
        'win' parameter is a specwin. This is usually not a problem since
        applyDefaults picks up the window name in any case

2011-04-20 15:53  mauro

      * @plist/applyDefaults.m: We loop over the user input parameters,
        so we do not need to find them Cosmetics

2011-04-20 15:22  hewitson

      * @plist/applyDefaults.m: A more sensible approach to applying the
        defaults. We loop over the user plist rather than the default
        plist and check that the requested parameter is in the default
        plist.

2011-04-20 15:17  hewitson

      * @ltpda_uoh/addHistory.m: We remove specwin objects from the
        history plist because they can be potentially very heavy. Instead
        we just replace with the window name and the psll if needed.

2011-04-20 11:04  congedo

      * @ao/tdfit.m: removed 'internal' flag.

2011-04-20 09:49  congedo

      * @ao/tdfit.m: updated.

2011-04-20 09:27  congedo

      * @ao/xfit.m: few things corrected. changed names of variables to
        'dummy'.

2011-04-19 22:41  mauro

      * @ao/setFs.m: Removed unnecessary step

2011-04-19 20:48  ingo

      * @ao/: abs.m, acos.m, angle.m, asin.m, atan.m, conj.m, cos.m,
        det.m, diag.m, imag.m, inv.m, log.m, log10.m, mean.m, median.m,
        mode.m, norm.m, phase.m, real.m, round.m, sign.m, sin.m, sqrt.m,
        std.m, sum.m, svd.m, tan.m, uminus.m, unwrap.m, var.m: Add the
        persistent stuff again to the method because we had problems to
        have the persistent variable at a central position.

2011-04-19 20:18  ingo

      * @ao/split.m: Use another function to call a method from outside
        the ltpda-class-path.

2011-04-19 19:26  ingo

      * @smodel/: setValues.m, setXvals.m: bug fix? I don't now if it is
```

right nut it fixes the bug in test_ao_bilinfit.

2011-04-19 19:05 ingo

* @ao/: dx.m, dz.m, x.m, y.m, z.m: Use a dummy variable name instead of '~' for multiple outputs if we don't need the variable. The '~' will fail for older MATLAB versions.

2011-04-19 18:24 ingo

* +utils/@helper/collect_objects.m: bug fix: Sometimes defines a callerIsMethod-command the variable-names as an empty array because we don't need them for the history. But this causes an issue if we access to the inside objects -> create empty-cell with the correct size.

2011-04-19 18:20 ingo

* @plist/getDefaultAxisPlist.m: remove for a workaround the storing of the persistent PLIST. This make problems with test_ao_spikecleaning

2011-04-19 18:00 ingo

* @ltpda_uoh/ltpda_uoh.m: define the prototype of the hidden test function which calls a method from inside the LTPDA class-path (necessary for the 'internal' test) as a public and hidden method. This is necessary because a static method doesn't add en entry to dbstack().

2011-04-19 17:56 ingo

* @ao/split.m: bug fix: Splitting by chunks calls the split function again but it calling the split-function with samples. The problem is that the second split-command doesn't add history because it is called from a class-method and no history is added. I have soled this issue by calling a helper-function from outside the class-methods which calls the split.

2011-04-19 16:26 ingo

* @time/parse.m: Bug fix? It is necessary for parsing a time string to set also the java Locale (ISO Language Code). My machine have the locale 'GERMAN' and it was not possible to parse the timezone 'CET'. It could only parse the German 'MEZ' (same meaning but in German). Isn't it stupid.

2011-04-19 15:53 mauro

* @ao/: setFs.m, setT0.m: Simplify the interface in the case of call from a method, going to 2 inputs only. - multiple objects can be passed in via a vector - multiple values can be passed in via a cell array

2011-04-19 12:40 ingo

* @ltpda_uoh/testCallerIsMethod.m: update help section.

2011-04-19 07:24 mauro

* @plist/applyDefaults.m: What I did was not really smart. The plist could be everywhere, and with any objects. Moving back to 1.5

2011-04-18 22:25 mauro

* @ao/setFs.m: An attemp to make something better: - supports plists with more than one parameters - call applyDefault to handle the non-used parameters

2011-04-18 22:20 mauro

```
      * @plist/applyDefaults.m: Supporting also empty plists

2011-04-18 22:04  mauro

      * @plist/applyDefaults.m: In the case the outputs are two plists (I
        hope it is the most common one) do not call
        utils.helper.collect_objects, so to speed up things

2011-04-18 21:51  luigi

      * tests/models/@ltpda_builtin_models_filterbank_utp/: Contents.m,
        ltpda_builtin_models_filterbank_utp.m: test infrastructure for
        filterbank models

2011-04-18 21:48  mauro

      * @ltpda_uo/processSetterValues.m: I don't think we should insist
        on plist with only one element, since we want to call
        applyDefault before this

2011-04-18 21:46  mauro

      * @ao/buildWhitener1D.m: Fixed also for the case of lpsd.

2011-04-18 21:45  mauro

      * @ao/inv.m: Fixed comment

2011-04-18 20:12  ingo

      * tests/@ltpda_uo_tests/test_name.m: update UTP because we have
        changes the default name from 'None' to ''

2011-04-18 20:11  ingo

      * tests/@ltpda_obj_tests/test_copy.m: WE have here the problem
        because we can not check if we have different handles. The
        command:    obj ~= copyObj will call the ltpda-ne method and this
        will not pass for a data-object. The objects doesn't have the
        same memory-space but our eq-method will check the properties and
        not the memory-space. isequal doesn't work because it also calls
        eq.

        The best way is to rename our eq-method to isequal.

2011-04-18 18:57  ingo

      * @LTPDAworkbench/mpl2jpl.m: If we want to create an empty
        java-PLIST then should we create an empty PLIST with the name =
        '' and not 'None'

2011-04-18 18:55  ingo

      * @ao/: fromDatafile.m, fromDataInMAT.m: Special case for for the
        type = 'cdata' If no 'columns' are specified then reads this
        constructor all data into one AO. (default behaviour)

2011-04-18 18:53  ingo

      * @ao/: elementOp.m, melementOp.m: bug fix: Due to the case that we
        have changed the default value for the property 'name' must we
        also change the condition for setting a special name. Now is it
        necessary to check for an empty 'name' as for 'None'

2011-04-18 18:53  ingo

      * @ao/ao.m: Change some values the the sets: 'from mat data file'
        -> 'columns' = [] 'from ascii file' -> 'columns' = [] 'from
        polinomial' -> 'type' = 'tsdata'

2011-04-18 18:49  ingo
```

* @parfrac/fromPzmodel.m, @parfrac/fromRational.m, @pest/char.m,
  @pzmodel/fromLISO.m, @pzmodel/fromParfrac.m,
  @pzmodel/fromRational.m, @rational/fromParfrac.m,
  @rational/fromPzmodel.m, @mfir/fromA.m, @mfir/fromAO.m,
  @mfir/fromPzmodel.m, @mfir/fromStandard.m, @miir/fromAB.m,
  @miir/fromAllpass.m, @miir/fromLISO.m, @miir/fromParfrac.m,
  @miir/fromPzmodel.m, @miir/fromStandard.m,
  @ao/fromComplexDatafile.m, @ao/fromGEOserver.m, @ao/fromNDS.m,
  @ao/fromPest.m, @ao/fromPzmodel.m, @ao/fromSModel.m,
  @ao/fromSpecWin.m, @ao/fromWaveform.m, @ltpda_tf/resp.m: bug fix:
  Due to the case that we have changed the default value for the
  property 'name' must we also change the condition for setting a
  special name. Now is it necessary to check for an empty 'name' as
  for 'None'

2011-04-18 17:13 adrien

* @ao/spsdSubtraction.m: Correcting some indexing error in loops

2011-04-18 17:11 adrien

* @ao/gapfillingoptim.m: removing useless code, deprecated option,
  and now displaying expected computation time

2011-04-18 11:17 mauro

* @ao/ltpda_fitChiSquare.m: Since I have heard nothing against it,
  I proceed removing this method

2011-04-17 23:28 adrien

* @ssm/: CPSD.m, PSD.m, bode.m, kalman.m, resp.m: BIG CHANGE IN THE
  SSM FUNCTIONS PRODUCING AOs !!! (+ minor debug of ssm/bode) The
  now return matrices of objects, and support the callerIsMethod
  facility. Additionnaly bug was corrected in ssm/bode where the
  rest(:) used to be thrown away

2011-04-17 23:26 adrien

* @ssm/simulate.m: Small code copy&paste to make it better and
  modified header (tells about matrices)

2011-04-17 23:24 adrien

* @matrix/spsdSubtraction.m: Wrapper around ao/spsdSubtraction so
  matrices can be subtracted. Still pest+eval does not work, but
  residual are provided anyway.

2011-04-17 23:23 adrien

* @ao/spsdSubtraction.m: The new function with the new name
  (exactly same code as in optSubtraction right now)

2011-04-17 23:22 adrien

* @ao/optSubtraction.m: Changes in the inputs/outputs (better aos
  with history if needed...) Will be rmoved and replaced by
  spsdSubtraction, which is a more meaningful name.

2011-04-17 23:20 adrien

* @ao/gapfillingoptim.m: Updated output (returns aos with better
  content, history...) and removed "z-test" which is less precise
  and not faster than the chi2 distributed test

2011-04-17 23:18 adrien

* @ao/spsd.m: more explicit description header

2011-04-17 17:54 ingo

* @ao/fromDatafile.m: bug fix: The command ao(values) inside this

```
        fromDatafile doesn't add history to the AO because we suppress
        the history with the callerIsMethod flag. This is the reason why
        it is necessary to add the history in this file.

2011-04-17 17:51  ingo

      * @ao/ctranspose.m: Bug fix. The command for the getInfo with a
        specified set failed. For example: ao.getInfo('ctranspose',
        'Default') of ao.getInfo('ctranspose', 'None')

2011-04-17 17:48  ingo

      * @smodel/: addParameters.m, setParameters.m: new setter methods

2011-04-17 13:07  hewitson

      * @ao/var.m: Call the new factory methods for the info and default
        plist and fix a bug in call to applymethod - we need to pass all
        inputs otherwise the user's plist will be ignored.

2011-04-17 13:03  hewitson

      * @ao/: tan.m, unwrap.m: Call the new factory methods for the info
        and default plist.

2011-04-17 12:59  hewitson

      * @ao/: sum.m, svd.m: Restructured along the lines of Ingo's inv
        method and added calls to the new factor methods for default
        plist and info.

2011-04-17 12:58  hewitson

      * @ao/std.m: Restructured along the lines of Ingo's inv method.

2011-04-17 12:54  hewitson

      * @ao/std.m: Call the new factory methods for the info and default
        plist and fix a bug in call to applymethod - we need to pass all
        inputs otherwise the user's plist will be ignored.

2011-04-17 12:53  hewitson

      * @ao/sqrt.m: Call the new factory methods for the info and default
        plist.

2011-04-17 12:50  hewitson

      * @ao/: sign.m, sin.m: Call the new factory methods for the info
        and default plist.

2011-04-17 12:44  hewitson

      * @ao/: phase.m, real.m, round.m: Call the new factory methods for
        the info and default plist.

2011-04-17 12:40  hewitson

      * @ao/norm.m: Restructured along the lines of Ingo's inv method and
        added calls to the new factor methods for default plist and info.

2011-04-17 12:39  hewitson

      * @ao/: mean.m, median.m, mode.m: Call the new factory methods for
        the info and default plist and fix a bug in call to applymethod -
        we need to pass all inputs otherwise the user's plist will be
        ignored.

2011-04-17 12:30  hewitson

      * @ao/: exp.m, imag.m, inv.m, log.m, log10.m: Call the new factory
        methods for the info and default plist.
```

2011-04-17 12:27 hewitson

	* @ao/: det.m, diag.m, eig.m: Restructured along the lines of
	  Ingo's inv method and added calls to the new factor methods for
	  default plist and info.

2011-04-17 12:25 hewitson

	* @ao/: angle.m, asin.m, atan.m, conj.m, cos.m: Call the new
	  factory methods for the info and default plist.

2011-04-17 12:11 hewitson

	* @ao/acos.m: Call the new factory methods for the info and default
	  plist.

2011-04-17 11:23 hewitson

	* @ao/uminus.m: Call the new factory methods for the info and
	  default plist.

2011-04-17 11:22 hewitson

	* @plist/plist.m: Some cleaning up of the factory AXIS plists and
	  added the prototype for the getDefaultAxisPlist method.

2011-04-17 11:21 hewitson

	* @plist/getDefaultAxisPlist.m: static method to return the default
	  plist for methods that support the 'axis' option.

2011-04-17 11:21 hewitson

	* @minfo/setMpackage.m: Setter for the mpackage field.

2011-04-17 11:20 hewitson

	* @minfo/minfo.m: add the prototype for the getInfoAxis method.

2011-04-17 11:20 hewitson

	* @minfo/getInfoAxis.m: a static method to return the info object
	  for methods supporting the 'axis' option.

2011-04-17 11:19 hewitson

	* @data3D/applymethod.m: Call the passed getDefaultPlist handle
	  with the '1D' set and return the plist after applying the
	  defaults.

2011-04-17 11:13 hewitson

	* @cdata/applymethod.m, @data2D/applymethod.m: Call the passed
	  getDefaultPlist handle with the '1D' set and return the plist
	  after applying the defaults.

2011-04-17 11:12 hewitson

	* @ao/applymethod.m: pass the calling of getDefaultPlist to the
	  data applymethod. There the correct set can be chosen based on
	  the data type.

2011-04-17 11:12 hewitson

	* @ao/abs.m: Introduce a central getInfo and getDefaultPlist for
	  methods supporting the 'axis' option.

2011-04-17 07:36 hewitson

	* @plist/plist.m: Add the option 'xy' since many of the AO methods
	  now use the 3D plist. Even though we don't support the 'xy' for

data3D yet, this at least allows it to work for the data2D objects. The whole data stuff is a mess at the moment anyway. The default axis for the 3D axis plist is 'y', which means when the user does abs(ao(data3D)) it works on 'y', which is certainly not expected behaviour. We need a redesign of the data classes to fix this.

2011-04-15 17:02 ingo

* @ao/ao.m: Add prototype checkDataType

2011-04-15 17:02 ingo

* @ao/checkDataType.m: new method which throws an error if the input AOs have a specified data-type. The example will throw an error if the AO have a data-object 'fsdata' aos.checkDataType('fsdata');

2011-04-15 17:00 ingo

* @ao/inv.m: new prototype for methods which uses applymethod and which have to check the data-type of the AOs.

2011-04-15 16:02 adrien

* @ao/gapfillingoptim.m: Improved direct solver supports the case of the spectrum minimization with no HF windowing (another 2x faster, but sometimes slightly biased, sometimes better) + typo correction + renaming in the code where it was not understandable.

2011-04-14 21:21 adrien

* @ao/gapfillingoptim.m: Great improvements using additionnal direct solver (>50x faster) - added optionnal direct solver (it is the default option) making the code much-much faster -> better numerical results

2011-04-14 21:19 adrien

* @ao/optSubtraction.m: Great improvements using direct solver + weighting - removal of global data - user can choose logCoef for frequency average scaling if he wants to - normalization scheme corrected -> better numerical results

2011-04-13 06:51 mauro

* @ao/gnuplot.m: Bug fix: plotinfo can now be an empty array, not necessarily a plist Implemented the applyDefault step Cosmetics

2011-04-12 23:45 adrien

* @ao/gapfillingoptim.m: many improvements - a factor 2 corrected in the chi2 - the log.likelihhod is improved by using gammaln instead of log(gamma) - the global variable optData is cleared

2011-04-12 23:44 adrien

* @ao/optSubtraction.m: many improvements - an iterative chi2 based criterion with a log-likelihood maximization - Convergence of iterations is now stopped whenever progress is too small - the signals to subtract are scaled - the global variable optData is cleared

2011-04-11 22:00 ingo

* @smodel/setAliasValues.m: Use mfilename('class') instead of the string: 'smodel'

2011-04-11 21:59 ingo

* @smodel/setAliasNames.m: new version of this setter-method.

2011-04-11 21:58 ingo

	* @smodel/setParams.m: - modify the handling of the inputs for
	  example setParams('a', 'b') sets a wrong value - bug fix: The
	  number of the 'values' and 'params' are now the same if we set at
	  least one value. --> setParams('a', 'b') + setParams('a', 1) -
	  simplify the setting of the properties. - use the EMPTY_CELL of
	  the paramValue class instead of {1, {}, paramValue.OPTIONAL}

2011-04-11 21:54 ingo

	* @smodel/setValues.m: Use the EMPTY_CELL paramValue factory
	  instead of {1, {}, paramValue.OPTIONAL}

2011-04-11 21:52 ingo

	* @smodel/: setTrans.m, setXvals.m, setXvar.m: Change in
	  getDefaultPlist the default value from an empty string into an
	  empty cell.

2011-04-11 21:51 ingo

	* @smodel/display.m: Add the output if the alias fields.

2011-04-11 21:51 ingo

	* @smodel/: addAliases.m, clearAliases.m, setAliases.m: new setter
	  method which sets/adds/clears the alias names and value.

2011-04-11 21:49 ingo

	* +utils/@helper/setoutputs.m: I wonder but I have checked that for
	  an uniformly distributed number of outputs is the if case faster
	  than the switch.

2011-04-11 21:48 ingo

	* +utils/@helper/helper.m: add prototype for the new method:
	  getDefaultValue

2011-04-11 21:47 ingo

	* +utils/@helper/getDefaultValue.m: Returns the default value of an
	  object and given property name.

2011-04-11 16:46 adrien

	* @ao/gapfillingoptim.m: Now gap-filling with a proper chi-square
	  statistical test.

2011-04-11 16:22 luigi

	* @ao/buildWhitener1D.m: default parameters updated. Now provides a
	  more sensible output for the documentation example

2011-04-11 12:24 mauro

	* @ao/eqmotion.m: Cosmetics

2011-04-11 12:12 luigi

	* @ao/buildWhitener1D.m: this shoul fix the warning caused by non
	  default parameters in psd and lpsd

2011-04-11 11:10 luigi

	* @ao/eqmotion.m: set prefixes simplify to false

2011-04-10 10:04 hewitson

	* @ao/elementOp.m: If the name is empty, use a '?' placeholder.

2011-04-10 08:45 hewitson

	* @ao/iplot.m: If the object name is emtpy, use a '?' as
	  placeholder.

2011-04-09 19:04 hewitson

	* @LTPDAprefs/setPreference.m: Bug fix: somehow some capitalization
	  has disappeared.

2011-04-09 18:57 hewitson

	* @pz/pz.m: Bug fix. A typo has crept in.

2011-04-09 09:44 hewitson

	* @ao/: diag.m, eig.m, norm.m, det.m, inv.m, svd.m: bug fixes. It
	  seems MATLAB doesn't like indexed variables as outputs.

2011-04-09 08:58 hewitson

	* +utils/@helper/callerIsMethod.m: Code hardening. Only get the
	  classname if the test_* method actually came from a class.

2011-04-09 08:58 hewitson

	* @ltpda_uo/save.m: Somehow a broken save got committed.

2011-04-08 16:31 hewitson

	* @ao/: ctranspose.m, ln.m, transpose.m: 1) transpose has a new
	  plist key 'complex' where you can choose to do complex transpose
	  or not (default = not)

	  2) ctranspose is now just a wrapper of transpose by using the new
	  ltpda_run_method function

	  3) ln is now a wrapper of log

2011-04-08 15:59 hewitson

	* +utils/@helper/callerIsMethod.m: Just added a note with some
	  thoughts.

2011-04-08 15:59 hewitson

	* @ao/elementOp.m: 1) use applyDefaults 2) honour the y shape for
	  mtimes and mrdivide. The other element ops are more forgiving and
	  allow things like [1:10] + [1:10]'

2011-04-08 15:58 hewitson

	* @ao/: ctranspose.m, transpose.m: Fixed versions. The plist
	  options are removed because it makes no sense to transpose the
	  different data fields independently.

2011-04-08 15:45 luigi

	* tests/models/@ltpda_builtin_models_miir_utp/: Contents.m,
	  ltpda_builtin_models_miir_utp.m: added a test class for built-in
	  miir models

2011-04-08 14:39 luigi

	* @ao/eqmotion.m: updated to use calllerismethod

2011-04-08 14:34 hewitson

	* +utils/@helper/callerIsMethod.m: Unfortunately we can't do this
	  callerIsMethod trick in the built-in models. It will involve some
	  big changes in the existing models and that's too much this close

to the release.

2011-04-08 13:56 hewitson

* @ssm/bode.m: Added a new plist option for 'numeric output'
because it was not possible to distinguish the different use
cases automatically. For the fitters, they should set this
numeric parameter to true to get numeric output.

Also a bug fix to make sure the default plist is used.

2011-04-08 12:34 mauro

* @msym/msym.m: Cosmetics

2011-04-08 12:34 mauro

* @minfo/tohtml.m: Swapped the plist section with the minfo
section. I was sick of scrolling down to go to the parameters
section.

2011-04-08 12:34 mauro

* +utils/@helper/displayMethodInfo.m: Typos fixed in help

2011-04-08 12:25 hewitson

* tests/@ltpda_uoh_tests/: test_setPlotinfo.m, test_setProcinfo.m:
Since the plist has no UUID anymore, we need to check another way
that the plist was copied. Do it by changing one parameter after
the setting.

2011-04-08 12:21 hewitson

* @ltpda_uoh/setPlotinfo.m: We must copy the plist before assigning
it to the plotinfo.

2011-04-08 11:18 mauro

* @ltpda_uo/load.m: Added some documentation

2011-04-08 11:12 mauro

* @ltpda_uo/load.m: Added a static method to load multiple objects
from a file.   Very crude at the moment ...

2011-04-08 11:11 mauro

* @ltpda_uo/save.m: Help updated

2011-04-08 10:56 hewitson

* @ao/bilinfit.m, @ao/delay.m, @ao/detrend.m, @ao/diag.m,
@ao/double.m, @ao/dsmean.m, @ao/find.m, @ao/fromProcinfo.m,
@ao/ifft.m, @ao/integrate.m, @ao/mcmc.m,
@ao/mdc1_ifo2acc_inloop.m, @ao/mdc1_ifo2control.m,
@ao/mdc1_x2acc.m, @ao/optSubtraction.m, @ao/or.m, @ao/plus.m,
@ao/polynomfit.m, @ao/psd.m, @ao/rms.m, @ao/round.m, @ao/scale.m,
@ao/search.m, @ao/select.m, @ao/setDx.m, @ao/setDy.m,
@ao/setXY.m, @ao/setYunits.m, @ao/smallvectorfit.m, @ao/sqrt.m,
@ao/y.m, @ao/zDomainFit.m, @ao/abs.m, @ao/atan2.m, @ao/average.m,
@ao/cov.m, @ao/diff.m, @ao/downsample.m, @ao/exp.m,
@ao/gapfilling.m, @ao/getdof.m, @ao/gt.m, @ao/hist.m,
@ao/hypot.m, @ao/intersect.m, @ao/inv.m, @ao/le.m, @ao/lincom.m,
@ao/linfit.m, @ao/mcmc_td.m, @ao/mdc1_cont2act_utn.m,
@ao/mdc1_ifo2acc_fd.m, @ao/mdc1_ifo2acc_fd_utn.m, @ao/mean.m,
@ao/mode.m, @ao/setFs.m, @ao/setX.m, @ao/setXunits.m, @ao/sin.m,
@ao/sumjoin.m, @ao/svd_fit.m, @ao/tan.m, @ao/validate.m,
@ao/var.m, @ao/whiten1D.m, @ao/x.m, @ao/xunits.m, @ao/yunits.m,
@ao/acos.m, @ao/and.m, @ao/bicohere.m, @ao/bin_data.m, @ao/cat.m,
@ao/complex.m, @ao/conj.m, @ao/consolidate.m, @ao/cpsd.m,
@ao/dft.m, @ao/dropduplicates.m, @ao/dy.m, @ao/eig.m,

@ao/evaluateModel.m, @ao/fftfilt.m, @ao/firwhiten.m, @ao/imag.m,
@ao/interp.m, @ao/lcpsd.m, @ao/linlsqsvd.m, @ao/log.m,
@ao/log10.m, @ao/lpsd.m, @ao/median.m, @ao/noisegen2D.m,
@ao/normdist.m, @ao/phase.m, @ao/psdconf.m, @ao/removeVal.m,
@ao/sign.m, @ao/sineParams.m, @ao/sort.m, @ao/spsd.m, @ao/tfe.m,
@ao/timeaverage.m, @ao/confint.m, @ao/filter.m, @ao/fs.m,
@ao/lisovfit.m, @ao/md5.m, @ao/z.m, @ao/ao.m, @ao/asin.m,
@ao/convert.m, @ao/ctranspose.m, @ao/delayEstimate.m,
@ao/demux.m, @ao/det.m, @ao/export.m, @ao/fft.m,
@ao/filtSubtract.m, @ao/gapfillingoptim.m, @ao/iplot.m,
@ao/iplotyy.m, @ao/join.m, @ao/len.m, @ao/linSubtract.m,
@ao/mpower.m, @ao/noisegen1D.m, @ao/nsecs.m, @ao/offset.m,
@ao/rdivide.m, @ao/setT0.m, @ao/simplifyYunits.m,
@ao/smallvector_lincom.m, @ao/split.m, @ao/std.m, @ao/sum.m,
@ao/t0.m, @ao/tdfit.m, @ao/xcorr.m, @ao/zeropad.m,
@ao/buildWhitener1D.m, @ao/cohere.m, @ao/conv.m, @ao/cos.m,
@ao/dopplercorr.m, @ao/dz.m, @ao/fixfs.m, @ao/fngen.m,
@ao/gnuplot.m, @ao/heterodyne.m, @ao/interpmissing.m,
@ao/linedetect.m, @ao/lt.m, @ao/ltfe.m, @ao/ltpda_fitChiSquare.m,
@ao/max.m, @ao/min.m, @ao/mrdivide.m, @ao/power.m,
@ao/quasiSweptSine.m, @ao/rotate.m, @ao/scatterData.m,
@ao/setUnitsForAxis.m, @ao/setY.m, @ao/spikecleaning.m,
@ao/svd.m, @ao/unwrap.m, @ao/whiten2D.m, @ao/xfit.m,
@ao/applymethod.m, @ao/atan.m, @ao/char.m, @ao/clearErrors.m,
@ao/crbound.m, @ao/display.m, @ao/eqmotion.m, @ao/filtfilt.m,
@ao/ge.m, @ao/ln.m, @ao/lscov.m, @ao/mdc1_ifo2cont_utn.m,
@ao/minus.m, @ao/mtimes.m, @ao/real.m, @ao/resample.m,
@ao/sDomainFit.m, @ao/setZ.m, @ao/smoother.m, @ao/times.m,
@ao/timeshift.m, @ao/transpose.m, @ao/uminus.m, @ao/upsample.m,
@ao/zunits.m, @ao/angle.m, @ao/compute.m, @ao/corr.m, @ao/dx.m,
@ao/generateConstructorPlist.m, @ao/lcohere.m, @ao/norm.m,
@ao/polyfit.m, @ao/setData.m, @ao/spectrogram.m, @ao/table.m,
@filterbank/addFilters.m, @filterbank/char.m,
@filterbank/display.m, @filterbank/filterbank.m,
@filterbank/generateConstructorPlist.m, @filterbank/resp.m,
@filterbank/setIunits.m, @filterbank/setOunits.m, @mfir/char.m,
@mfir/display.m, @mfir/generateConstructorPlist.m, @mfir/mfir.m,
@mfir/redesign.m, @mfir/setGd.m, @plist/getDescriptionForParam.m,
@plist/pset.m, @plist/subset.m, @collection/addObjects.m,
@collection/getObjectAtIndex.m, @collection/getObjectsOfClass.m,
@collection/nobjs.m, @plist/append.m, @plist/char.m,
@plist/combine.m, @plist/display.m, @plist/eq.m, @plist/find.m,
@plist/getIndexForKey.m, @plist/getKeys.m,
@plist/getOptionsForParam.m, @plist/getParamValueForParam.m,
@plist/getSelectionForParam.m, @plist/getSetRandState.m,
@plist/isparam.m, @plist/merge.m, @plist/mfind.m,
@plist/nparams.m, @plist/plist.m, @plist/remove.m,
@plist/removeKeys.m, @plist/setDefaultForParam.m,
@plist/setDescription.m, @plist/setDescriptionForParam.m,
@plist/setMdlfile.m, @plist/setName.m,
@plist/setOptionsForParam.m, @plist/setSelectionForParam.m,
@plist/shouldIgnore.m, @plist/simplify.m, @plist/string.m,
@plist/tohtml.m, @collection/char.m, @collection/collection.m,
@collection/display.m, @collection/generateConstructorPlist.m,
@collection/removeObjectAtIndex.m,
@collection/setObjectAtIndex.m, @collection/setObjs.m,
@ssm/assemble.m, @ssm/blockMatPrune.m, @ssm/buildParamPlist.m,
@ssm/display.m, @ssm/displayProperties.m, @ssm/doSimplify.m,
@ssm/double.m, @ssm/duplicateInput.m, @ssm/findParameters.m,
@ssm/generateConstructorPlist.m, @ssm/getParameters.m,
@ssm/keepParameters.m, @ssm/modelHelper_declareParameters.m,
@ssm/parameterDiff.m, @ssm/reshuffleSym.m,
@ssm/setBlockDescriptions.m, @ssm/setBlockNames.m,
@ssm/setPortDescriptions.m, @ssm/setPortNames.m,
@ssm/setPortUnits.m, @ssm/settlingTime.m, @ssm/simplify.m,
@ssm/ssmFromss.m, @ssm/subsParameters.m, @ssm/PSD.m,
@ssm/addParameters.m, @ssm/append.m, @ssm/blockMatFillDiag.m,
@ssm/blockMatRecut.m, @ssm/bode.m, @ssm/bodecst.m, @ssm/char.m,
@ssm/dotview.m, @ssm/getMatrixSelection.m, @ssm/isStable.m,
@ssm/kalman.m, @ssm/modifyTimeStep.m, @ssm/noiseSpectrum.m,
@ssm/optimiseForFitting.m, @ssm/reorganize.m, @ssm/reshuffle.m,
@ssm/resp.m, @ssm/respcst.m, @ssm/sMinReal.m,

@ssm/setBlockProperties.m, @ssm/setParameters.m,
@ssm/setParams.m, @ssm/setPortProperties.m, @ssm/simulate.m,
@ssm/ssm.m, @ssm/ssm2miir.m, @ssm/ssm2pzmodel.m,
@ssm/ssm2rational.m, @ssm/ssm2ss.m, @ssm/ssmFromPzmodel.m,
@ssm/steadyState.m, @pest/setChain.m, @ssm/CPSD.m,
@ssm/blockMatMult.m, @ssm/getParams.m, @ssm/ssm2dot.m,
@pest/LTPimperf2physParams.m, @pest/char.m, @pest/combineExps.m,
@pest/display.m, @pest/eval.m, @pest/find.m,
@pest/generateConstructorPlist.m, @pest/pest.m, @pest/setChi2.m,
@pest/setCorr.m, @pest/setCov.m, @pest/setDof.m, @pest/setDy.m,
@pest/setDyForParameter.m, @pest/setModels.m, @pest/setNames.m,
@pest/setPdf.m, @pest/setY.m, @pest/setYforParameter.m,
@pest/setYunits.m, @pest/setYunitsForParameter.m, @pest/tdChi2.m,
@repogui/buildConnectPanel.m, @repogui/buildHLQPanel.m,
@repogui/buildQueryPanel.m, @repogui/buildRetrievePanel.m,
@repogui/buildSubmitPanel.m, @repogui/cb_tableSelect.m,
@repogui/getFields.m, @repogui/repogui.m, @plotter/plotter.m,
@repogui/buildConditions.m, @repogui/buildquery.m,
@repogui/cb_condPlusBtn.m, @repogui/cb_connect.m,
@repogui/cb_executeQuery.m, @repogui/cb_fieldSelect.m,
@repogui/cb_get_dbs.m, @repogui/cb_mainfigClose.m,
@repogui/cb_select_db.m, @repogui/cb_select_repo.m,
@repogui/getTables.m, @repogui/sqlResultsGUI.m,
@smodel/fourier.m, @smodel/generateConstructorPlist.m,
@smodel/mtimes.m, @smodel/conj.m, @smodel/det.m,
@smodel/fitfunc.m, @smodel/ilaplace.m, @smodel/minus.m,
@smodel/plus.m, @smodel/setAliasNames.m,
@smodel/setAliasValues.m, @smodel/setParams.m,
@smodel/setTrans.m, @smodel/setXunits.m, @smodel/setYunits.m,
@smodel/sop.m, @smodel/subs.m, @smodel/times.m,
@smodel/convol_integral.m, @smodel/diff.m, @smodel/display.m,
@smodel/ifourier.m, @smodel/rdivide.m, @smodel/setXvals.m,
@smodel/smodel.m, @ltpda_uoh/clearHistory.m,
@ltpda_uoh/created.m, @ltpda_uoh/creator.m,
@ltpda_uoh/csvexport.m, @ltpda_uoh/index.m, @ltpda_uoh/rebuild.m,
@ltpda_uoh/report.m, @ltpda_uoh/requirements.m,
@ltpda_uoh/setDescription.m, @ltpda_uoh/setMdlfile.m,
@ltpda_uoh/setName.m, @ltpda_uoh/setPlotinfo.m,
@ltpda_uoh/setProcinfo.m, @ltpda_uoh/string.m,
@ltpda_uoh/viewHistory.m, @smodel/assignalias.m, @smodel/char.m,
@smodel/double.m, @smodel/eval.m, @smodel/hessian.m,
@smodel/inv.m, @smodel/iztrans.m, @smodel/laplace.m,
@smodel/linearize.m, @smodel/mrdivide.m, @smodel/op.m,
@smodel/setValues.m, @smodel/setXvar.m, @smodel/simplify.m,
@smodel/simplifyUnits.m, @smodel/sum.m, @smodel/ztrans.m,
@ltpda_uoh/type.m, @matrix/conj.m, @matrix/crb.m,
@matrix/ctranspose.m, @matrix/det.m, @matrix/display.m,
@matrix/fft.m, @matrix/fftfilt.m, @matrix/filter.m,
@matrix/generateConstructorPlist.m, @matrix/getObjectAtIndex.m,
@matrix/inv.m, @matrix/linearize.m, @matrix/matrix.m,
@matrix/mchNoisegen.m, @matrix/mchNoisegenFilter.m,
@matrix/mcmc.m, @matrix/mtimes.m, @matrix/ncols.m,
@matrix/nrows.m, @matrix/osize.m, @matrix/plus.m,
@matrix/rdivide.m, @matrix/rotate.m, @matrix/setObjs.m,
@matrix/simplify.m, @matrix/split.m, @matrix/tdfit.m,
@matrix/times.m, @matrix/transpose.m, @ssmblock/addPorts.m,
@ssmblock/containsPort.m, @ssmblock/getPortsWithName.m,
@LTPDAworkbench/cmds2pipeline.m, @LTPDAworkbench/setParam.m,
@matrix/char.m, @matrix/linfitsvd.m, @matrix/linlsqsvd.m,
@matrix/minus.m, @pzmodel/char.m, @pzmodel/display.m,
@pzmodel/generateConstructorPlist.m, @pzmodel/getlowerFreq.m,
@pzmodel/getupperFreq.m, @pzmodel/mrdivide.m, @pzmodel/mtimes.m,
@pzmodel/pzmodel.m, @pzmodel/rdivide.m, @pzmodel/setDelay.m,
@pzmodel/setGain.m, @pzmodel/setPoles.m, @pzmodel/setZeros.m,
@pzmodel/times.m, @pzmodel/tomfir.m, @pzmodel/tomiir.m,
@ltpda_filter/impresp.m, @ltpda_filter/setA.m,
@ltpda_filter/setHistout.m, @miir/char.m,
@miir/generateConstructorPlist.m, @miir/miir.m, @miir/redesign.m,
@miir/setB.m, @miir/setHistin.m, @parfrac/char.m,
@parfrac/display.m, @parfrac/generateConstructorPlist.m,
@parfrac/getlowerFreq.m, @parfrac/getupperFreq.m,
@parfrac/parfrac.m, @pzmodel/fngen.m, @pzmodel/simplify.m,

@rational/char.m, @rational/display.m,
@rational/generateConstructorPlist.m, @rational/getlowerFreq.m,
@rational/getupperFreq.m, @rational/rational.m,
@specwinViewer/cb_plot.m, @specwinViewer/cb_plotFreq.m,
@specwinViewer/cb_plotTime.m, @specwinViewer/cb_selectWindow.m,
@specwinViewer/plotWindow.m, @specwinViewer/specwinViewer.m,
@cdata/minus.m, @cdata/plus.m, @cdata/rdivide.m, @cdata/times.m,
@miir/display.m, @modelViewer/buildObject.m,
@modelViewer/buildParamsPanel.m, @modelViewer/cb_buildModel.m,
@modelViewer/getParamsFromPanel.m, @modelViewer/modelViewer.m,
@unit/HzToS.m, @LTPDARepositoryManager/copyObjects.m,
@LTPDARepositoryManager/display.m,
@LTPDARepositoryManager/executeQuery.m,
@LTPDARepositoryManager/findConnections.m,
@LTPDARepositoryManager/getConnection.m,
@LTPDARepositoryManager/getSinfo.m,
@LTPDARepositoryManager/listConnections.m,
@LTPDARepositoryManager/newConnection.m,
@LTPDARepositoryManager/resetTimer.m,
@LTPDARepositoryManager/showGui.m, @constructor/buildObj.m,
@constructor/cb_selectClass.m, @constructor/cb_selectSet.m,
@constructor/constructor.m, @fsdata/getFfromYFs.m,
@sigBuilder/cb_buildExport.m, @sigBuilder/cb_buildView.m,
@sigBuilder/cb_clearSignals.m, @sigBuilder/cb_removeSignal.m,
@sigBuilder/cb_toggleAddState.m, @sigBuilder/refreshSignalList.m,
@sigBuilder/sigBuilder.m, @specwin/kaiser_w3db.m,
@specwin/win_bartlett.m, @specwin/win_fthp.m,
@specwin/win_hamming.m, @specwin/win_hft144d.m,
@specwin/win_hft169d.m, @specwin/win_hft223d.m,
@specwin/win_hft248d.m, @specwin/win_hft70.m,
@specwin/win_hft90d.m, @specwin/win_nuttall3a.m,
@specwin/win_nuttall3b.m, @specwin/win_nuttall4a.m,
@specwin/win_rectangular.m, @specwin/win_sft3f.m,
@specwin/win_sft3m.m, @specwin/win_sft4m.m, @specwin/win_welch.m,
@unit/sToHz.m, @unit/setVals.m, @data2D/plus.m, @data3D/plus.m,
@repogui2/buildConditions.m, @repogui2/buildConnectPanel.m,
@repogui2/buildQueryPanel.m, @repogui2/buildRetrievePanel.m,
@repogui2/buildSubmitPanel.m, @repogui2/cb_condPlusBtn.m,
@repogui2/cb_connect.m, @repogui2/cb_executeQuery.m,
@repogui2/cb_fieldSelect.m, @repogui2/cb_get_dbs.m,
@repogui2/cb_mainfigClose.m, @repogui2/cb_select_db.m,
@repogui2/cb_select_repo.m, @repogui2/cb_tableSelect.m,
@repogui2/getFields.m, @repogui2/getTables.m,
@repogui2/repogui2.m, @repogui2/sqlResultsGUI.m,
@specwin/kaiser_alpha.m, @specwin/kaiser_flatness.m,
@specwin/kaiser_rov.m, @specwin/win_bh92.m, @specwin/win_ftni.m,
@specwin/win_ftsrs.m, @specwin/win_hft116d.m,
@specwin/win_hft196d.m, @specwin/win_hft95.m,
@specwin/win_nuttall3.m, @specwin/win_nuttall4.m,
@specwin/win_nuttall4b.m, @specwin/win_nuttall4c.m,
@specwin/win_sft4f.m, @specwin/win_sft5f.m, @specwin/win_sft5m.m,
@launchBay/launchBay.m, @ltpda_obj/eq.m, @ltpda_obj/get.m,
@ltpda_obj/isprop.m, @ltpda_obj/ne.m, @ltpda_uo/bsubmit.m,
@ltpda_uo/save.m, @ltpda_uo/submit.m, @ltpda_uo/update.m,
@repogui2/buildquery.m, @repogui2/setWorkspaceObjsList.m,
@timespan/char.m, @timespan/display.m, @timespan/double.m,
@timespan/generateConstructorPlist.m, @timespan/setEndT.m,
@timespan/setStartT.m, @timespan/timespan.m,
@workspaceBrowser/cb_repoManager.m,
@workspaceBrowser/getSelectedObjects.m,
@workspaceBrowser/getSelectedVarNames.m, @aoplotter/aoplotter.m,
@ltpda_tf/resp.m, @ltpda_tf/setIunits.m, @ltpda_tf/setOunits.m,
@ltpda_tf/simplifyUnits.m, @msym/msym.m,
@plotterFactory/plotterFactory.m, @stattest/char.m,
@stattest/display.m, @stattest/generateConstructorPlist.m,
@stattest/setData.m, @stattest/stattest.m,
@tsplotter/tsplotter.m: Changed "Parameter sets" to "Parameters
Description"

2011-04-08 10:08 hewitson

* @ao/: angle.m, phase.m: Put the error propagation code back in

place.

2011-04-07 21:25 hewitson

* @ao/: angle.m, asin.m, det.m, diag.m, eig.m, exp.m, imag.m, inv.m, ln.m, log.m, mean.m, median.m, mode.m, phase.m, real.m, round.m, sign.m, sin.m, std.m, svd.m, tan.m, acos.m, atan.m, conj.m, cos.m, log10.m, norm.m, sqrt.m, sum.m, uminus.m, unwrap.m, var.m: A first run through using the new applymethod. It turns out that many of these methods can not be as simple as ao/abs, so we still need to do some cleaning up here.

2011-04-07 21:23 hewitson

* @ao/applymethod.m: We need to set the second output for the getInfo call.

2011-04-07 20:59 hewitson

* @plist/applyDefaults.m: And we also need to copy the default plist in the trivial case of only one input plist.

2011-04-07 20:55 hewitson

* @plist/applyDefaults.m: We need to copy the default plist because the new philosophy is to modify the default plist by overriding with the user inputs.

2011-04-07 19:03 hewitson

* @ao/: mrdivide.m, mtimes.m, or.m, rdivide.m: Use the new elementOp structure.

2011-04-07 19:02 hewitson

* @ao/elementOp.m: bug fix for the getInfo call.

2011-04-07 16:52 hewitson

* @LTPDAprefs/cb_guiClosed.m: Further attempts to fix the prefs window problem, but so far no success.

2011-04-07 16:52 hewitson

* @LTPDAworkbench/run.m: Use the new MATLAB java interface and clear the preferences from the pipeline when done.

2011-04-07 16:51 hewitson

* @plist/getKeys.m: Bug fix for empty plist.

2011-04-07 16:51 hewitson

* @ao/: minus.m, times.m: Updated to the new elementOp style.

2011-04-07 15:18 mauro

* @param/setDefaultOption.m: Added (a little) support for specwin as possible value for a parameter. In this case, it tries to match the window name with the default option name. This assumes we do not store specwin objects as optional values for the spectral window.

2011-04-07 13:14 luigi

* @ao/ltp_ifo2acc.m: removing ltp_ifo2acc from cvs. It will re-appear as element of LPF_DA_Module

2011-04-07 13:09 hewitson

* @ao/elementOp.m: Bug fix: we need to call the recursive call properly.

2011-04-07 13:01 ingo

      * @paramValue/paramValue.m: Change the EMPTY_* factories is that
        way that they return only the empty object and not a paramValue
        object. We have decided that a param-object doesn't store a
        paramValue but the single value if the param doesn't have any
        options --> and an empty String,Cell,Double doesn't have any
        options.

2011-04-07 12:55 hewitson

      * @ao/: abs.m, and.m, plus.m: These are now simiplified and use the
        new versions of applymethod and elementOp.

2011-04-07 12:55 hewitson

      * @ao/elementOp.m: An expanded version of elementOp which takes
        over some more responsibilities from the calling methods.

2011-04-07 12:55 hewitson

      * @ao/applymethod.m: An expanded version of apply method which
        takes over a lot of the responsibilities from the calling
        methods.

2011-04-07 12:54 hewitson

      * @ao/ao.m: 1) Default xunits are empty for loading from ascii file

        2) We have changed the behaviour of applymethod so this is now a
        static method.

2011-04-07 12:53 hewitson

      * @ltpda_uoh/ltpda_uoh.m: Default name is empty.

2011-04-07 12:52 hewitson

      * @paramValue/paramValue.m: The default data type should be cdata
        to match the changes in the columns for loading from ascii file.

2011-04-07 12:52 hewitson

      * @ltpda_uoh/fromFile.m: Assume any file extension other than xml,
        mat or fil is just an ascii file.

2011-04-07 12:51 hewitson

      * @ao/fromDatafile.m: We only need to check for even columns if we
        have more than one column. If we have one column and fs then the
        type must be set to cdata otherwise we throw an error.

2011-04-07 12:27 hewitson

      * @param/setDefaultOption.m: Bug fix. If the value is not a
        paramValue we just go ahead and set it rather than warning and
        doing nothing.

2011-04-07 11:55 hewitson

      * @param/setDefaultOption.m: Bug fix. The second error message is
        only correct if the option is a paramValue.

2011-04-07 09:53 hewitson

      * +utils/@helper/callerIsMethod.m: Make callerIsMethod aware of
        built-in models. If the stack contains fromModel we are being
        called from inside a method which is being called (perhaps
        deeply) inside fromModel, so we can have callerIsMethod = true
        since we don't need to add history inside building of models.

2011-04-07 09:11 mauro

	* @smodel/setYunits.m: Cosmetics

2011-04-07 09:09 mauro

	* @ltpda_uo/fromModel.m: Tuned a bit the error message choice.
	  Matlab is not very generous in the variety of error identifier
	  ...

2011-04-06 16:10 mauro

	* @ltpda_uo/fromModel.m: Comments clarified

2011-04-06 16:07 mauro

	* @ltpda_uo/fromModel.m: Removed support for things like:
	  s=ssm('built-in', 25); That gives a big speed-up because we do
	  not need to call <class>.getBuiltInModels any more.

2011-04-06 16:06 mauro

	* @ltpda_uo/getBuiltInModels.m: Cosmetics

2011-04-06 15:16 mauro

	* @plist/append.m: That had a huge impact on my computer (If I did
	  not break things)

2011-04-06 14:51 mauro

	* @ltpda_uo/fromModel.m: More detailed error message

2011-04-06 13:20 hewitson

	* @ao/fromParameter.m: The constructor for the new ao 'from
	  parameter' constructor.

2011-04-06 13:20 hewitson

	* @ao/ao.m: Added a new constructor from parameter.

	  Suppose we have a plist containing a key 'a', then we can make a
	  cdata AO with the value of 'a'. Other properties are also used in
	  constructing the AO (at the moment only properties 'unit' and
	  'units' are supported). All properties are added to the procinfo.

	  a = ao(plist('parameter', pl, 'key', 'a'))

2011-04-06 13:17 hewitson

	* @plist/applyDefaults.m: Now we implement the correct logic for
	  all LTPDA methods.

	  User input values should override default values. Default values
	  should not be used to fill in the gaps in the user input. This
	  means that if default parameters have other properties (units,
	  descriptions, etc), then they will be preserved through this
	  process.

2011-04-06 13:16 hewitson

	* @plist/getIndexForKey.m: Bug fix: the method should return the
	  indices, not a full set of logicals. Maybe this breaks other
	  things?

2011-04-06 13:15 hewitson

	* @plist/getKeys.m: Bug fix for the case of empty plist.

2011-04-06 10:31 hewitson

```
      * +utils/@jmysql/insertObjMetadataV1.m: Introduced a nasty bug in
        the submission process when trying to handle long descriptions. I
        set the wrong data to the wrong field.

2011-04-06 00:04  mauro

      * +utils/@helper/setoutputs.m: Bug fix: supporting also the case of
        0 outputs (modifier call)

2011-04-06 00:01  mauro

      * @ao/: plus.m, setXunits.m, setYunits.m: Use
        utils.helper.setoutputs

2011-04-05 14:57  mauro

      * @ao/xspec.m: Do not modify the user-input plist when adding the
        'scale' parameter, necessary for the call to ao/welch

2011-04-05 14:51  mauro

      * +utils/@helper/mat2str.m: Go back to 17 figures because this is
        impacting also on UTPs.  We should find some other way to make
        'nicer' the display of 1e-12 et al

2011-04-05 12:55  mauro

      * +utils/@helper/mat2str.m: This gives better results on displaying
        small (micro, nano, atto, femto) units.  Test: u = unit('pm')

2011-04-05 12:53  mauro

      * +utils/@helper/objdisp.m: Cosmetics

2011-04-05 12:48  mauro

      * +utils/@helper/objdisp.m: I suspect this was a bug

2011-04-05 12:47  mauro

      * +utils/@helper/objdisp.m: Change to switch/case syntax to improve
        code readability

2011-04-05 12:47  mauro

      * @unit/display.m: Cosmetics

2011-04-05 10:15  mauro

      * @ao/lpsd.m: Code harmonization

2011-04-05 10:14  mauro

      * @ao/cpsd.m: Minor changes in comments

2011-04-05 10:14  mauro

      * @ao/lcpsd.m: Code harmonization Minor changes in comments

2011-04-05 10:13  mauro

      * @ao/: ltfe.m, tfe.m: Uses the applyDefaults method to
        check/combine user-input plist and default plist Help updated
        Code harmonization

2011-04-05 10:12  mauro

      * @ao/: lxspec.m, xspec.m: Handling also 'split' option to select
        time ranges

2011-04-05 10:12  mauro
```

```
	* @ao/: cohere.m, lcohere.m: Uses the new applyDefaults method.
	  Help updated Code harmonization

2011-04-05 07:40  mauro

	* @ao/cpsd.m: Bug fixed

2011-04-05 07:38  mauro

	* @ao/: cpsd.m, lcpsd.m: Uses the new applyDefaults method.

2011-04-05 07:36  mauro

	* @ao/psd.m: Minor

2011-04-05 07:36  mauro

	* @ao/lpsd.m: Bug fixed

2011-04-05 07:27  mauro

	* @ao/lpsd.m: Set the outputs with the new utility

2011-04-05 07:26  mauro

	* @ao/psd.m: Added 'split' option to select time ranges

2011-04-05 07:25  mauro

	* @ao/lpsd.m: Uses the new applyDefaults method.  Added 'split'
	  option to select time ranges

2011-04-05 07:08  mauro

	* @plist/plist.m: Added a 'split' option, identical to 'times'

2011-04-04 16:19  luigi

	* @pzmodel/fromParfrac.m: this fix MANTIS bug 409

2011-04-04 15:45  hewitson

	* @ao/: abs.m, psd.m: Example usage of the new applyDefaults
	  method.

2011-04-04 15:44  hewitson

	* @plist/applyDefaults.m: Avoid using a loop and make a single call
	  to ismember.

2011-04-04 15:22  hewitson

	* @plist/: applyDefaults.m, plist.m: A first version of a hidden
	  method for developer use. The method takes a default plist and
	  then the user inputs and produces a combined plist. Warnings are
	  issued for any user input key which is not in the default plist.
	  This avoids the potentially nasty situation where a user mistypes
	  and key name and then doesn't realise that their input was not
	  applied.

	  Usage:

	  pl = applyDefaults(getDefaultPlist, varargin{:})

2011-04-04 14:59  hewitson

	* @ao/iplot.m: Bug fix when switching off individual legend
	  entries.

2011-04-04 13:56  hewitson

	* @ao/table.m: Added a comment in the help that xyzdata is not
```

```
        supported and also fixed a typo in the error message.

2011-04-04 13:55  hewitson

      * @ao/display.m: In the case of xyzdata, the x and y fields need
        not be the same. This was breaking display. I've added an
        exception for xyzdata, though this is not such an elegant
        solution since it tightly couples the ao and data classes. Still,
        we do that a lot anyway.....

2011-04-04 13:45  hewitson

      * @ao/iplot.m: Bug fix in handling time-series with units that are
        not 's'.

2011-04-04 13:37  hewitson

      * @mfir/mkbandpass.m, @mfir/mkbandreject.m, @mfir/mkhighpass.m,
        @mfir/mklowpass.m, @miir/mkbandpass.m, @miir/mkbandreject.m,
        @miir/mkhighpass.m, @miir/mklowpass.m: Use the new utility for
        checking the options. This answers MANTIS issue 333.

2011-04-04 13:36  hewitson

      * +utils/@helper/: checkFilterOptions.m, helper.m: A new utility
        for checking the options for filter constructors so that we get
        consistent error messages.

2011-04-04 13:29  hewitson

      * @miir/mklowpass.m: An equals sign was missing.

2011-04-04 13:21  hewitson

      * @ao/iplot.m: Proper handling of mixed x-axis units. This answers
        to MANTIS issue 403.

2011-04-04 12:49  hewitson

      * @ao/iplot.m: Set the Xunits property to OPTIONAL so that we can
        do things like

          plist('Xunits', {'all', 'h'})

          on the GUI.

          This answers to MANTIS issue 496.

2011-04-04 09:49  hewitson

      * @ao/detrend.m: Added some discussion on the two different
        algorithms which are used, and their interpretation. This 'fixes'
        MANTIS issue 133.

2011-04-04 09:20  hewitson

      * @parfrac/parfrac.m: Add two argument constructor

          p = parfrac(res, poles)

          This uses the default value of 0 for the direct term.

2011-04-04 09:17  hewitson

      * @parfrac/parfrac.m: We can't allow an empty direct term. It must
        be a number. Many other functions are depending on this not being
        empty (for example, pzmodel/fromParfrac).

2011-04-01 13:01  hewitson

      * @ao/resample.m: Added an error if the input filter is not an MFIR
        filter. This fixes bug 435.
```

2011-04-01 11:25 hewitson

	* @ao/ao.m: Change the default columns for loading from ASCII
	  files. The only thing we can assume is that the data file has at
	  least one column (otherwise, why would the user be trying to load
	  it). This partly answers MANTIS issue 502.

2011-04-01 11:18 hewitson

	* @ao/iplot.m: The use of xmaths, ymaths, and zmaths parameters is
	  now deprecated. It is too difficult to handle the units properly.
	  This answers to MANTIS bug 509.

2011-04-01 11:05 hewitson

	* @ao/spectrogram.m: Set a more sensible default for NFFT to be
	  length(data)/2. Before it was set to be the sample rate, but if
	  the sample rate is 1, then things go bananas. This resolved
	  MANTIS bug 314.

2011-04-01 10:58 hewitson

	* @pzmodel/pzmodel.m: Added some more text to the help to explain
	  the syntax of entering poles and zeros.

2011-04-01 10:49 hewitson

	* @ltpda_uo/ltpda_uo.m: Set the default name of objects to ''. This
	  responds to bug 479.

2011-04-01 10:44 hewitson

	* @ao/ao.m, @cdata/cdata.m: Allow constructing AOs with matrix of
	  logicals:

	  a = ao(true)

	  This fixes MANTIS bug 527.

2011-04-01 10:36 hewitson

	* +utils/@jmysql/connect.m: If more than one connection matching
	  the user's request is found, then ask the user to choose which
	  one to use. This fixes MANTIS bug 478.

2011-04-01 10:35 hewitson

	* +utils/@jmysql/: insertObjMetadata.m, insertObjMetadataV1.m,
	  updateObjMetadata.m, updateObjMetadataV1.m: Check the length of
	  the object description to make sure it fits in the mysql field.
	  This fixes MANTIS bug 481.

2011-04-01 09:56 hewitson

	* @ao/psd.m: Uses the new utility for setting the outputs.

2011-04-01 09:52 hewitson

	* +utils/@helper/: helper.m, setoutputs.m: A new method to set the
	  outputs for LTPDA methods.

2011-04-01 09:31 hewitson

	* @smodel/elementOp.m: Fix for MANTIS bug 511. If one of the models
	  involved in the operation has an empty xvals or xvar we take the
	  xvar or xvals from the other model.

2011-03-31 20:08 ingo

	* @parfrac/parfrac.m: comment out just for the test the part in the
	  MATLAB setter-rule that 'dir' throws an error if it is empty. We

```
        have to discuss about this.

2011-03-31 20:06  ingo

      * +utils/@helper/getClassFromStruct.m: bug fix for the case that we
        made the 'version' property as hidden because properties(class)
        will return only all public not-hidden properties. But
        struct(obj) creates also a field from the hidden property.

2011-03-31 19:12  ingo

      * @ltpda_obj/ltpda_obj.m: bug fix: Because of playing with dynamic
        properties I have derived the ltpda_obj class from the
        'dynamicprops' class but this was a mistake to commit. -> change
        back to 'handle'-class.

2011-03-31 19:08  ingo

      * @ltpda_uoh/setProcinfo.m: It is necessary to copy the input-plist
        before we assign the value to the property-.

2011-03-31 19:06  ingo

      * @smodel/smodel.m: Update MATLAB setter rules for the properties.

2011-03-31 19:05  ingo

      * @smodel/: setTrans.m, setXunits.m, setXvals.m, setXvar.m: Update
        setter methods

2011-03-31 19:05  ingo

      * @smodel/: attachToDom.m, fromDom.m: Adapt the XML-methods to the
        new property rules.

2011-03-31 19:04  ingo

      * @smodel/eval.m: bug fix:

2011-03-31 19:04  ingo

      * @unit/unit.m: Add additional constructor: unit( [unit('Hz')
        unit('s')], 'Hz' ) <- first or second input are multiple
        unit-objects.

2011-03-31 17:38  luigi

      * +utils/@math/: KSpValue.m, SKcriticalvalues.m, kstest.m: bug
        fixed n was wrongly calculated in the test against a theoretical
        distribution

2011-03-31 16:55  mauro

      * @ao/zunits.m: Added an ao method to set zunits

2011-03-31 16:51  hewitson

      * @LTPDAworkbench/cb_rebuildLibrary.m: We need to pass in the
        workbench since rebuildLibrary is static.

        wb.rebuildLibrary

        is not the same as

        LTPDAworkbench.rebuildLibrary(wb)

2011-03-31 15:59  luigi

      * @matrix/linfitsvd.m: changed plist to support new common plist
        for multichannel fitters

2011-03-31 15:58  luigi
```

```
      * @plist/plist.m: started a common plist for multichannel fitters
        plist name is MCH_FIT_PLIST

2011-03-31 14:30  mauro

      * @ao/: xunits.m, yunits.m: Switch to full support for multiple
        inputs. A side effect is that we cannot output [] for a
        non-existing property, so we use unit()

2011-03-31 10:00  hewitson

      * +utils/@helper/callerIsMethod.m: We need another exception
        otherwise history tracking in the workbench doesn't work.

2011-03-31 10:00  hewitson

      * @LTPDAworkbench/reset.m: We need to clear the workbench ID
        structure now that we support multiple workbenches.

2011-03-31 09:59  hewitson

      * @LTPDAworkbench/run.m: Return the workbench ID from run so we can
        clear the variables in a test environment.

2011-03-30 18:05  hewitson

      * @ao/melementOp.m: This is the desired change to rule 10 of matrix
        operations. The inner operation is now (ao.*ao + ao.*ao + ...)

2011-03-30 18:04  hewitson

      * @LTPDAworkbench/lib.mat: Updated library.

2011-03-30 16:25  hewitson

      * @pzmodel/pzmodel.m: The delay parameter was missing from the
        relevant default plist. This fixes MANTIS bug 421.

2011-03-30 15:27  mauro

      * @ao/: cohere.m, cpsd.m, lcohere.m, lcpsd.m, lpsd.m, ltfe.m,
        psd.m, tfe.m: Minor changes

2011-03-30 15:17  mauro

      * @fsdata/fsdata.m, @tsdata/tsdata.m, @xydata/xydata.m,
        @xyzdata/xyzdata.m, @pest/pest.m: Removed list of public methods
        A little bit of code harmonization

2011-03-30 15:15  mauro

      * @data2D/data2D.m, @data3D/data3D.m: Removed list of public
        methods

2011-03-30 10:16  hewitson

      * @parfrac/parfrac.m: Fix for MANTIS bug 327. An error is now
        thrown if the direct term is set empty by the user.

2011-03-30 09:59  hewitson

      * @LTPDAworkbench/cb_executePlan.m: If execution of one pipeline in
        the plan fails, then the user is prompted to continue or to abort
        execution of the plan. This is in response to MANTIS bug 491.

2011-03-29 17:36  luigi

      * +utils/@math/: computeDftPeriodogram.m, dft.m: some restyle to
        better match theory

2011-03-29 15:40  hewitson
```

* @ao/cohere.m, @ao/complex.m, @ao/compute.m, @ao/convert.m,
  @ao/ctranspose.m, @ao/delay.m, @ao/display.m, @ao/elementOp.m,
  @ao/fft.m, @ao/fftfilt.m, @ao/getdof.m, @ao/iplot.m, @ao/join.m,
  @ao/lisovfit.m, @ao/lscov.m, @ao/ltfe.m, @ao/mcmc.m,
  @ao/mdc1_ifo2acc_fd_utn.m, @ao/mdc1_ifo2acc_inloop.m,
  @ao/mpower.m, @ao/polyfit.m, @ao/polynomfit.m, @ao/rms.m,
  @ao/search.m, @ao/setY.m, @ao/smoother.m, @ao/timeaverage.m,
  @ao/xcorr.m, @ao/average.m, @ao/buildWhitener1D.m, @ao/cat.m,
  @ao/consolidate.m, @ao/conv.m, @ao/corr.m, @ao/cov.m, @ao/cpsd.m,
  @ao/crbound.m, @ao/demux.m, @ao/detrend.m, @ao/diff.m,
  @ao/double.m, @ao/export.m, @ao/filtSubtract.m, @ao/find.m,
  @ao/fngen.m, @ao/gnuplot.m, @ao/integrate.m, @ao/interpmissing.m,
  @ao/linSubtract.m, @ao/lincom.m, @ao/linfit.m, @ao/md5.m,
  @ao/mdc1_cont2act_utn.m, @ao/noisegen1D.m, @ao/normdist.m,
  @ao/removeVal.m, @ao/resample.m, @ao/setDy.m, @ao/setXY.m,
  @ao/simplifyYunits.m, @ao/sineParams.m, @ao/smallvector_lincom.m,
  @ao/spectrogram.m, @ao/spsd.m, @ao/timeshift.m, @ao/upsample.m,
  @ao/validate.m, @ao/whiten2D.m, @ao/zDomainFit.m, @ao/bicohere.m,
  @ao/bilinfit.m, @ao/confint.m, @ao/delayEstimate.m,
  @ao/dropduplicates.m, @ao/dsmean.m, @ao/evaluateModel.m,
  @ao/filter.m, @ao/filtfilt.m, @ao/firwhiten.m, @ao/fixfs.m,
  @ao/heterodyne.m, @ao/hist.m, @ao/ifft.m, @ao/iplotyy.m,
  @ao/lcohere.m, @ao/lcpsd.m, @ao/lpsd.m, @ao/mcmc_td.m,
  @ao/mdc1_ifo2cont_utn.m, @ao/mdc1_ifo2control.m,
  @ao/mdc1_x2acc.m, @ao/noisegen2D.m, @ao/offset.m, @ao/psd.m,
  @ao/psdconf.m, @ao/quasiSweptSine.m, @ao/rotate.m,
  @ao/sDomainFit.m, @ao/scale.m, @ao/scatterData.m, @ao/select.m,
  @ao/setFs.m, @ao/setX.m, @ao/setZ.m, @ao/sort.m, @ao/svd_fit.m,
  @ao/table.m, @ao/tdfit.m, @ao/whiten1D.m, @ao/xfit.m,
  @ao/zeropad.m, @ao/bin_data.m, @ao/dft.m, @ao/downsample.m,
  @ao/interp.m, @ao/ltp_ifo2acc.m, @ao/mdc1_ifo2acc_fd.m,
  @ao/power.m, @ao/setDx.m, @ao/setT0.m, @ao/smallvectorfit.m,
  @ao/split.m, @ao/sumjoin.m, @ao/tfe.m, @ao/transpose.m,
  @pest/setPdf.m, @pest/setY.m,
  @LTPDARepositoryManager/copyObjects.m,
  @LTPDARepositoryManager/executeQuery.m,
  @LTPDARepositoryManager/findConnections.m,
  @LTPDARepositoryManager/getSinfo.m,
  @LTPDARepositoryManager/newConnection.m, @matrix/crb.m,
  @matrix/fftfilt.m, @matrix/getObjectAtIndex.m,
  @matrix/linearize.m, @matrix/mcmc.m, @matrix/rotate.m,
  @matrix/setObjs.m, @matrix/simplify.m, @matrix/tdfit.m,
  @pest/LTPimperf2physParams.m, @pest/combineExps.m, @pest/eval.m,
  @pest/setChain.m, @pest/setChi2.m, @pest/setCorr.m,
  @pest/setCov.m, @pest/setDof.m, @pest/setDy.m, @pest/setModels.m,
  @pest/setNames.m, @pest/setYunits.m, @pest/tdChi2.m,
  +utils/@jmysql/getsinfo.m, @LTPDAworkbench/cb_executePlan.m,
  @LTPDAworkbench/runPipeline.m, @collection/addObjects.m,
  @collection/getObjectAtIndex.m, @collection/getObjectsOfClass.m,
  @collection/removeObjectAtIndex.m,
  @collection/setObjectAtIndex.m, @collection/setObjs.m,
  @history/hist2m.m, @ltpda_uo/bsubmit.m, @ltpda_uo/retrieve.m,
  @ltpda_uo/save.m, @ltpda_uo/submit.m, @ltpda_uo/update.m,
  @ltpda_uoh/index.m, @ssm/addParameters.m, @ssm/append.m,
  @ssm/assemble.m, @ssm/duplicateInput.m, @ssm/getParams.m,
  @ssm/modifyTimeStep.m, @ssm/optimiseForFitting.m,
  @ssm/sMinReal.m, @ssm/setBlockDescriptions.m,
  @ssm/setBlockNames.m, @ssm/setBlockProperties.m,
  @ssm/setParams.m, @ssm/setPortDescriptions.m,
  @ssm/setPortNames.m, @ssm/setPortProperties.m,
  @ssm/setPortUnits.m, @ssm/simplify.m, @ssm/ssm.m,
  +utils/@mysql/getsinfo.m, @ltpda_tf/simplifyUnits.m,
  @ltpda_uoh/created.m, @ltpda_uoh/creator.m, @ltpda_uoh/rebuild.m,
  @ltpda_uoh/string.m, @ltpda_uoh/type.m, @miir/miir.m,
  @pzmodel/setPoles.m, @pzmodel/setZeros.m, @smodel/hessian.m,
  @smodel/simplifyUnits.m, @timespan/double.m: Moved all the
  'running %s' messages to PROC3 to be less annoying.

2011-03-29 15:06 hewitson

* @ao/display.m: Don't display the mdlfile field since we don't use

it.

2011-03-29 15:06 hewitson

* @ltpda_uo/submit.m: Added some notes about future use of submit
and validate, just so we don't forget.

2011-03-29 13:15 ingo

* @ltpda_obj/ltpda_obj.m, @plist/plist.m: We have to define the
removed properties as hidden constants. In case of backwards
compatibility it is necessary to keep them because MATLAB will
read older MAT-files as structures which we have to convert into
an object if we make major change to a class. For MATLAB is a
major change if we remove a proeprty.

2011-03-29 10:08 hewitson

* @ltpda_uoh/requirements.m: A new method which lists the extension
modules required to rebuild a given object or set of objects.

2011-03-29 09:52 hewitson

* @ltpda_uoh/setName.m: Bug fixes: support the old behaviour of
setting the name via the variable name

a.setName

2011-03-28 20:04 ingo

* @cdata/update_struct.m, @fsdata/update_struct.m,
@tsdata/update_struct.m, @xydata/update_struct.m,
@xyzdata/update_struct.m: bug fix -> see below 1.) It is
necessary to check before if the x-, or y-units is a unit object
or not. 2.) It is not necessary to remove fields from the
struct.

2011-03-28 19:04 ingo

* +utils/@xml/: xmlread.m, xmlwrite.m: Update the file because we
have removed the 'version' property from all objects.

2011-03-28 19:03 ingo

* @ltpda_uo/: submit.m, update.m: Use the LTPDA toolbox version for
the meta data 'version' instead of the object version.

2011-03-28 19:02 ingo

* @ao/ao.m, @ao/attachToDom.m, @ao/fromDom.m, @ao/fromStruct.m,
@cdata/attachToDom.m, @cdata/cdata.m, @cdata/fromDom.m,
@cdata/fromStruct.m, @collection/attachToDom.m,
@collection/collection.m, @collection/fromDom.m,
@collection/fromStruct.m, @filterbank/attachToDom.m,
@filterbank/filterbank.m, @filterbank/fromDom.m,
@filterbank/fromStruct.m, @fsdata/attachToDom.m,
@fsdata/fromDom.m, @fsdata/fromStruct.m, @fsdata/fsdata.m,
@history/attachToDom.m, @history/fromDom.m,
@history/fromStruct.m, @history/history.m,
@history/update_struct.m, @ltpda_obj/ltpda_obj.m,
@ltpda_obj/prependVersion.m, @ltpda_obj/setVersion.m,
@matrix/attachToDom.m, @matrix/fromDom.m, @matrix/fromStruct.m,
@matrix/matrix.m, @mfir/attachToDom.m, @mfir/fromDom.m,
@mfir/fromStruct.m, @mfir/mfir.m, @miir/attachToDom.m,
@miir/fromDom.m, @miir/fromStruct.m, @miir/miir.m,
@minfo/fromStruct.m, @minfo/getEncodedString.m, @minfo/minfo.m,
@minfo/setFromEncodedInfo.m, @param/attachToDom.m,
@param/fromDom.m, @param/fromStruct.m, @param/param.m,
@paramValue/fromStruct.m, @paramValue/paramValue.m,
@parfrac/attachToDom.m, @parfrac/fromDom.m,
@parfrac/fromStruct.m, @parfrac/parfrac.m, @pest/attachToDom.m,
@pest/fromDom.m, @pest/fromStruct.m, @pest/pest.m,

@plist/attachToDom.m, @plist/fromDom.m, @plist/fromStruct.m,
@plist/plist.m, @provenance/fromStruct.m,
@provenance/getEncodedString.m, @provenance/provenance.m,
@provenance/setFromEncodedInfo.m, @provenance/update_struct.m,
@pz/attachToDom.m, @pz/fromDom.m, @pz/fromStruct.m, @pz/pz.m,
@pzmodel/attachToDom.m, @pzmodel/fromDom.m,
@pzmodel/fromStruct.m, @pzmodel/pzmodel.m,
@rational/attachToDom.m, @rational/fromDom.m,
@rational/fromStruct.m, @rational/rational.m,
@smodel/attachToDom.m, @smodel/fromDom.m, @smodel/fromStruct.m,
@smodel/smodel.m, @specwin/attachToDom.m, @specwin/fromDom.m,
@specwin/fromStruct.m, @specwin/specwin.m, @ssm/attachToDom.m,
@ssm/fromDom.m, @ssm/fromStruct.m, @ssm/ssm.m,
@ssmblock/attachToDom.m, @ssmblock/fromDom.m,
@ssmblock/fromStruct.m, @ssmblock/ssmblock.m,
@ssmport/attachToDom.m, @ssmport/fromDom.m,
@ssmport/fromStruct.m, @ssmport/ssmport.m,
@stattest/attachToDom.m, @stattest/fromDom.m,
@stattest/stattest.m, @time/attachToDom.m, @time/fromDom.m,
@time/fromStruct.m, @time/time.m, @timespan/attachToDom.m,
@timespan/fromDom.m, @timespan/fromStruct.m,
@timespan/timespan.m, @tsdata/attachToDom.m, @tsdata/fromDom.m,
@tsdata/fromStruct.m, @tsdata/tsdata.m, @unit/attachToDom.m,
@unit/fromDom.m, @unit/fromStruct.m, @unit/unit.m,
@xydata/attachToDom.m, @xydata/fromDom.m, @xydata/fromStruct.m,
@xydata/xydata.m, @xyzdata/attachToDom.m, @xyzdata/fromDom.m,
@xyzdata/fromStruct.m, @xyzdata/xyzdata.m: remove the property
'version' from the constructors and update all methods which
access this removed property.

2011-03-28 18:37 luigi

* +utils/@math/: computeDftPeriodogram.m, dft.m, freqCorr.m,
math.m, overlapCorr.m, welchdft.m: a set of utils - calculate dft
at a given freq - compute periodogram with dft - welch with dft -
calculate correlation between frequency bins because of the
window - calculate total covariance contribution because of
segment overlapping

2011-03-28 14:45 hewitson

* @plist/char.m, @plist/combine.m, @plist/display.m, @plist/eq.m,
@plist/find.m, @plist/getIndexForKey.m, @plist/getKeys.m,
@plist/getParamValueForParam.m, @plist/merge.m, @plist/pset.m,
@plist/removeKeys.m, @plist/setDescription.m,
@plist/setDescriptionForParam.m, @plist/setMdlfile.m,
@plist/setName.m, @plist/setSelectionForParam.m,
@plist/shouldIgnore.m, @plist/subset.m, @ao/complex.m,
@ao/convert.m, @ao/det.m, @ao/display.m, @ao/fft.m, @ao/fs.m,
@ao/getdof.m, @ao/iplot.m, @ao/join.m, @ao/lscov.m, @ao/lt.m,
@ao/ltfe.m, @ao/mdc1_ifo2acc_inloop.m, @ao/minus.m, @ao/sign.m,
@ao/smoother.m, @ao/var.m, @ao/xcorr.m, @plist/append.m,
@plist/getDescriptionForParam.m, @plist/getOptionsForParam.m,
@plist/getSelectionForParam.m, @plist/getSetRandState.m,
@plist/isparam.m, @plist/mfind.m, @plist/nparams.m,
@plist/parse.m, @plist/plist2cmds.m, @plist/remove.m,
@plist/setDefaultForParam.m, @plist/setOptionsForParam.m,
@plist/string.m, @ao/buildWhitener1D.m, @ao/cpsd.m,
@ao/crbound.m, @ao/ctranspose.m, @ao/demux.m, @ao/detrend.m,
@ao/dopplercorr.m, @ao/dz.m, @ao/fromProcinfo.m, @ao/ge.m,
@ao/hist_gauss.m, @ao/intersect.m, @ao/inv.m, @ao/lincom.m,
@ao/linfit.m, @ao/lisovfit.m, @ao/mdc1_cont2act_utn.m,
@ao/median.m, @ao/mrdivide.m, @ao/mtimes.m, @ao/noisegen1D.m,
@ao/optSubtraction.m, @ao/setXY.m, @ao/setY.m,
@ao/simplifyYunits.m, @ao/sineParams.m, @ao/spectrogram.m,
@ao/spikecleaning.m, @ao/acos.m, @ao/asin.m, @ao/bicohere.m,
@ao/diag.m, @ao/dropduplicates.m, @ao/dsmean.m, @ao/filtfilt.m,
@ao/firwhiten.m, @ao/fixfs.m, @ao/generateConstructorPlist.m,
@ao/lcohere.m, @ao/lcpsd.m, @ao/len.m, @ao/linSubtract.m,
@ao/ln.m, @ao/log10.m, @ao/mcmc_td.m, @ao/mdc1_ifo2cont_utn.m,
@ao/mdc1_x2acc.m, @ao/min.m, @ao/plot.m, @ao/quasiSweptSine.m,
@ao/real.m, @ao/scatterData.m, @ao/setFs.m, @ao/setX.m,

@ao/setZ.m, @ao/svd_fit.m, @ao/tdfit.m, @ao/upsample.m, @ao/y.m,
@ao/yunits.m, @ao/z.m, @ao/and.m, @ao/angle.m, @ao/atan2.m,
@ao/bin_data.m, @ao/char.m, @ao/cohere.m, @ao/compute.m,
@ao/cos.m, @ao/dft.m, @ao/downsample.m, @ao/exp.m,
@ao/gapfillingoptim.m, @ao/imag.m, @ao/linedetect.m,
@ao/linlsqsvd.m, @ao/mcmc.m, @ao/mdc1_ifo2acc_fd_utn.m,
@ao/mpower.m, @ao/or.m, @ao/phase.m, @ao/polynomfit.m,
@ao/power.m, @ao/psdconf.m, @ao/search.m, @ao/setDx.m,
@ao/setT0.m, @ao/setXunits.m, @ao/smallvectorfit.m, @ao/split.m,
@ao/sqrt.m, @ao/std.m, @ao/sum.m, @ao/sumjoin.m, @ao/tan.m,
@ao/transpose.m, @ao/xfit.m, @ao/zeropad.m, @ao/atan.m,
@ao/average.m, @ao/cat.m, @ao/conj.m, @ao/conv.m, @ao/corr.m,
@ao/cov.m, @ao/delay.m, @ao/double.m, @ao/fftfilt.m,
@ao/filtSubtract.m, @ao/fngen.m, @ao/gnuplot.m, @ao/hypot.m,
@ao/integrate.m, @ao/interpmissing.m, @ao/normdist.m, @ao/plus.m,
@ao/polyfit.m, @ao/resample.m, @ao/rms.m, @ao/round.m,
@ao/spsd.m, @ao/svd.m, @ao/timeaverage.m, @ao/times.m,
@ao/unwrap.m, @ao/validate.m, @ao/whiten2D.m, @ao/zDomainFit.m,
@ao/abs.m, @ao/confint.m, @ao/consolidate.m, @ao/diff.m,
@ao/dy.m, @ao/eig.m, @ao/export.m, @ao/find.m, @ao/gapfilling.m,
@ao/ifft.m, @ao/iplotyy.m, @ao/log.m, @ao/md5.m,
@ao/mdc1_ifo2control.m, @ao/mean.m, @ao/mode.m, @ao/nsecs.m,
@ao/offset.m, @ao/psd.m, @ao/rdivide.m, @ao/removeVal.m,
@ao/rotate.m, @ao/sDomainFit.m, @ao/scale.m, @ao/setDy.m,
@ao/setYunits.m, @ao/smallvector_lincom.m, @ao/sort.m, @ao/t0.m,
@ao/timeshift.m, @ao/whiten1D.m, @ao/xunits.m, @ao/bilinfit.m,
@ao/delayEstimate.m, @ao/dx.m, @ao/eqmotion.m,
@ao/evaluateModel.m, @ao/filter.m, @ao/gt.m, @ao/heterodyne.m,
@ao/hist.m, @ao/interp.m, @ao/le.m, @ao/lpsd.m,
@ao/ltp_ifo2acc.m, @ao/max.m, @ao/mdc1_ifo2acc_fd.m,
@ao/noisegen2D.m, @ao/norm.m, @ao/select.m, @ao/sin.m,
@ao/table.m, @ao/tfe.m, @ao/uminus.m, @ao/x.m, @pest/setPdf.m,
@pest/setY.m, @matrix/conj.m, @matrix/crb.m,
@matrix/ctranspose.m, @matrix/display.m,
@matrix/generateConstructorPlist.m, @matrix/inv.m,
@matrix/linfitsvd.m, @matrix/linlsqsvd.m, @matrix/mchNoisegen.m,
@matrix/mcmc.m, @matrix/ncols.m, @matrix/plus.m,
@matrix/rdivide.m, @matrix/rotate.m, @matrix/setObjs.m,
@matrix/split.m, @matrix/tdfit.m, @pest/LTPimperf2physParams.m,
@pest/char.m, @pest/combineExps.m, @pest/display.m, @pest/eval.m,
@pest/find.m, @pest/generateConstructorPlist.m, @pest/setChain.m,
@pest/setChi2.m, @pest/setCorr.m, @pest/setCov.m, @pest/setDof.m,
@pest/setDy.m, @pest/setDyForParameter.m, @pest/setModels.m,
@pest/setNames.m, @pest/setYforParameter.m, @pest/setYunits.m,
@pest/setYunitsForParameter.m, @pest/tdChi2.m, @plotter/plot.m,
@matrix/char.m, @matrix/det.m, @matrix/fft.m, @matrix/fftfilt.m,
@matrix/filter.m, @matrix/getObjectAtIndex.m,
@matrix/linearize.m, @matrix/mchNoisegenFilter.m,
@matrix/minus.m, @matrix/mtimes.m, @matrix/nrows.m,
@matrix/osize.m, @matrix/simplify.m, @matrix/times.m,
@matrix/transpose.m, @minfo/minfo.m, @smodel/char.m,
@smodel/conj.m, @smodel/det.m, @smodel/display.m, @smodel/eval.m,
@smodel/fourier.m, @smodel/hessian.m, @smodel/ifourier.m,
@smodel/ilaplace.m, @smodel/iztrans.m, @smodel/laplace.m,
@smodel/linearize.m, @smodel/mrdivide.m, @smodel/op.m,
@smodel/rdivide.m, @smodel/setAliasNames.m,
@smodel/setAliasValues.m, @smodel/setTrans.m,
@smodel/setXunits.m, @smodel/setXvar.m, @smodel/setYunits.m,
@smodel/subs.m, @smodel/sum.m, @smodel/ztrans.m,
@collection/addObjects.m, @collection/char.m,
@collection/display.m, @collection/generateConstructorPlist.m,
@collection/getObjectAtIndex.m, @collection/getObjectsOfClass.m,
@collection/nobjs.m, @collection/removeObjectAtIndex.m,
@collection/setObjectAtIndex.m, @collection/setObjs.m,
@smodel/assignalias.m, @smodel/convol_integral.m, @smodel/diff.m,
@smodel/double.m, @smodel/fitfunc.m,
@smodel/generateConstructorPlist.m, @smodel/inv.m,
@smodel/minus.m, @smodel/mtimes.m, @smodel/plus.m,
@smodel/setParams.m, @smodel/setValues.m, @smodel/setXvals.m,
@smodel/simplify.m, @smodel/simplifyUnits.m, @smodel/times.m,
@ssm/displayProperties.m, @ssm/dotview.m, @ssm/setBlockNames.m,
@stattest/char.m, @stattest/display.m,

@stattest/generateConstructorPlist.m, @stattest/setData.m,
@ssm/CPSD.m, @ssm/PSD.m, @ssm/append.m, @ssm/assemble.m,
@ssm/bode.m, @ssm/bodecst.m, @ssm/char.m, @ssm/display.m,
@ssm/double.m, @ssm/duplicateInput.m, @ssm/findParameters.m,
@ssm/generateConstructorPlist.m, @ssm/getParameters.m,
@ssm/getParams.m, @ssm/isStable.m, @ssm/kalman.m,
@ssm/keepParameters.m, @ssm/modifyTimeStep.m,
@ssm/noiseSpectrum.m, @ssm/optimiseForFitting.m,
@ssm/parameterDiff.m, @ssm/reorganize.m, @ssm/resp.m,
@ssm/respcst.m, @ssm/sMinReal.m, @ssm/setBlockDescriptions.m,
@ssm/setBlockProperties.m, @ssm/setParameters.m,
@ssm/setParams.m, @ssm/setPortDescriptions.m,
@ssm/setPortNames.m, @ssm/setPortProperties.m,
@ssm/setPortUnits.m, @ssm/settlingTime.m, @ssm/simplify.m,
@ssm/simulate.m, @ssm/ssm2dot.m, @ssm/ssm2miir.m,
@ssm/ssm2pzmodel.m, @ssm/ssm2rational.m, @ssm/steadyState.m,
@ssm/subsParameters.m, @ssm/addParameters.m, @ssm/ssm2ss.m,
@timespan/char.m, @timespan/generateConstructorPlist.m,
@LTPDARepositoryManager/addConnection.m,
@LTPDARepositoryManager/copyObjects.m,
@LTPDARepositoryManager/display.m,
@LTPDARepositoryManager/executeQuery.m,
@LTPDARepositoryManager/findConnections.m,
@LTPDARepositoryManager/getConnection.m,
@LTPDARepositoryManager/listConnections.m,
@LTPDARepositoryManager/showGui.m, @history/update_struct.m,
@mfir/char.m, @mfir/display.m, @mfir/generateConstructorPlist.m,
@mfir/redesign.m, @mfir/setGd.m, @mfir/update_struct.m,
@parfrac/char.m, @parfrac/display.m,
@parfrac/generateConstructorPlist.m, @parfrac/getlowerFreq.m,
@parfrac/getupperFreq.m, @rational/char.m, @rational/display.m,
@rational/generateConstructorPlist.m, @rational/getlowerFreq.m,
@rational/getupperFreq.m, @timespan/display.m,
@timespan/double.m, @timespan/setEndT.m, @timespan/setStartT.m,
@timespan/update_struct.m, +utils/@helper/dunzip.m,
+utils/@helper/dzip.m, +utils/@helper/generic_getInfo.m,
+utils/@helper/plot_gauss_hist.m,
@LTPDARepositoryManager/getSinfo.m,
@LTPDARepositoryManager/newConnection.m,
@LTPDARepositoryManager/updatePrefs.m, @ltpda_uo/bsubmit.m,
@ltpda_uo/retrieve.m, @ltpda_uo/save.m, @ltpda_uo/submit.m,
@ltpda_uo/update.m, @ltpda_uoh/setName.m,
@ltpda_uoh/setProcinfo.m, @ltpda_uoh/type.m, @pzmodel/char.m,
@pzmodel/display.m, @pzmodel/fngen.m,
@pzmodel/generateConstructorPlist.m, @pzmodel/getlowerFreq.m,
@pzmodel/getupperFreq.m, @pzmodel/rdivide.m, @pzmodel/setDelay.m,
@pzmodel/setGain.m, @pzmodel/setPoles.m, @pzmodel/setZeros.m,
@pzmodel/simplify.m, @pzmodel/times.m, @pzmodel/tomfir.m,
@pzmodel/tomiir.m, @pzmodel/update_struct.m,
@aoplotter/singlePlots.m, @filterbank/addFilters.m,
@filterbank/char.m, @filterbank/display.m,
@filterbank/generateConstructorPlist.m, @filterbank/setIunits.m,
@filterbank/setOunits.m, @ltpda_filter/impresp.m,
@ltpda_filter/setHistout.m, @ltpda_obj/eq.m, @ltpda_obj/get.m,
@ltpda_obj/isprop.m, @ltpda_obj/ne.m, @ltpda_tf/resp.m,
@ltpda_tf/setIunits.m, @ltpda_tf/setOunits.m,
@ltpda_tf/simplifyUnits.m, @ltpda_uoh/created.m,
@ltpda_uoh/creator.m, @ltpda_uoh/csvexport.m, @ltpda_uoh/index.m,
@ltpda_uoh/rebuild.m, @ltpda_uoh/report.m,
@ltpda_uoh/setDescription.m, @ltpda_uoh/setMdlfile.m,
@ltpda_uoh/setPlotinfo.m, @ltpda_uoh/string.m,
@ltpda_uoh/viewHistory.m, @miir/char.m, @miir/display.m,
@miir/generateConstructorPlist.m, @miir/redesign.m, @miir/setB.m,
@miir/setHistin.m, @miir/update_struct.m, @unit/atan2.m,
+utils/@models/getInfo.m, @ltpda_filter/setA.m: Set the mpackage
field to 'ltpda' for all ltpda methods.

2011-03-28 13:27 hewitson

* +utils/@modules/: moduleInfo.m, modules.m: a utility to readout
the information in a moduleinfo.xml file.

2011-03-28 13:26 hewitson

	* +utils/@modules/buildModule.m: buildModule now writes a small xml
	  file in the new module which contains the module name and
	  version.

2011-03-26 19:30 hewitson

	* @ao/iplot.m: limit the number of generated ticks. If we have more
	  than 10 decades on the plot, then let MATLAB choose the ticks. In
	  my experience more than 10 decades don't fit and just make a
	  mess. To be discussed.

2011-03-25 16:35 mauro

	* @ao/: setDx.m, setDy.m, setFs.m, setT0.m, setX.m, setXY.m,
	  setXunits.m, setY.m, setZ.m, setYunits.m: Cosmetics

2011-03-25 16:33 mauro

	* @data2D/data2D.m, @data3D/data3D.m, @ltpda_data/ltpda_data.m:
	  Help about declaration of preperties now matches better the code

2011-03-25 16:29 mauro

	* @cdata/cdata.m, @fsdata/fsdata.m, @tsdata/tsdata.m,
	  @xydata/xydata.m, @xyzdata/xyzdata.m: Make explicit that the
	  properties are public. I know. This is being pedantic.

2011-03-25 16:14 mauro

	* +utils/@helper/installExtensionsForDir.m: Use the helpers to
	  remove 'CVS' and '.svn' folders from Matlab path, which might
	  become very long if the added modules are under version control

2011-03-25 16:14 hewitson

	* @ao/ao.m: Added another convenience constructor for a sine wave.
	  Also moved the help text in to the correct location so that

	  >> help ao.randn
	  >> help ao.sinewave

	  works

2011-03-25 16:13 hewitson

	* @ltpda_uo/ltpda_uo.m: 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.

2011-03-25 16:12 mauro

	* +utils/@helper/helper.m: Added the new static methods to remove
	  'CVS' and '.svn' folders from Matlab path

2011-03-25 16:11 mauro

	* +utils/@helper/: remove_cvs_from_matlabpath.m,
	  remove_svn_from_matlabpath.m: Date of prduction was non realistic

2011-03-25 16:06 mauro

	* +utils/@helper/remove_svn_from_matlabpath.m: An utility function
	  to remove .svn folders from the given path

2011-03-25 16:05 mauro

	* +utils/@helper/remove_cvs_from_matlabpath.m: An utility function
	  to remove CVS folders from the given path

2011-03-25 16:05 hewitson

* @pz/pz.m: Bug fix: this was breaking in the case of a complex
  pole with Q<0.5 being split in to two real poles.

2011-03-25 16:02 mauro

* +utils/@helper/installExtensionsForDir.m: Bug fixed in adding
  user-defined methods of existing LTPDA Tbx classes

2011-03-25 14:27 ingo

* @plist/: setDescription.m, setMdlfile.m: Define the methods
  setDescription and setMdlfile because in the PLIST class is it a
  special behaviour if we want to set a property with a PLIST.

2011-03-25 14:26 ingo

* @ltpda_uo/ltpda_uo.m: Change access-level of the following
  methods: setDescription -> abstract -> to make sure that the
  sub-classes define this method setMdlfile -> abstract -> to make
  sure that the sub-classes define this method setUUID -> hidden

2011-03-25 14:24 ingo

* @ltpda_uo/setUUID.m: Now is this method a simple and hidden
  method. It should only be used by developers like in
  addHistoryStep.

2011-03-25 14:23 ingo

* @ltpda_uo/: setDescription.m, setMdlfile.m: moved the
  setter-methods setDescription and setMdlfile from the ltpda_uo
  class to the plist class because setting a property of a plist
  with a plist is a special case.

2011-03-25 14:21 ingo

* @ao/setFs.m: bug fix: replicate the frequencies to the number of
  objects in the 'internal' case.

2011-03-25 11:19 mauro

* @ltpda_uoh/fromModel.m: Added version string in help, as for our
  standard

2011-03-24 21:18 ingo

* @smodel/: setAliasNames.m, setAliasValues.m: Replace the
  'internal'-switch argument by the new functionality
  utils.helper.callerIsMethod

2011-03-24 21:02 ingo

* @ao/setDx.m, @ao/setDy.m, @ao/setFs.m, @ao/setT0.m, @ao/setX.m,
  @ao/setXY.m, @ao/setXunits.m, @ao/setY.m, @ao/setYunits.m,
  @ao/setZ.m, @collection/setObjectAtIndex.m,
  @collection/setObjs.m, @filterbank/setIunits.m,
  @filterbank/setOunits.m, @ltpda_filter/setA.m,
  @ltpda_filter/setHistout.m, @ltpda_tf/setIunits.m,
  @ltpda_tf/setOunits.m, @ltpda_uo/setDescription.m,
  @ltpda_uo/setMdlfile.m, @ltpda_uo/setName.m, @ltpda_uo/setUUID.m,
  @ltpda_uoh/setDescription.m, @ltpda_uoh/setMdlfile.m,
  @ltpda_uoh/setName.m, @ltpda_uoh/setPlotinfo.m,
  @ltpda_uoh/setProcinfo.m, @ltpda_uoh/setProperties.m,
  @matrix/setObjs.m, @mfir/setGd.m, @miir/setB.m,
  @miir/setHistin.m, @pest/genericSet.m, @pest/setChain.m,
  @pest/setChi2.m, @pest/setCorr.m, @pest/setCov.m, @pest/setDof.m,
  @pest/setDy.m, @pest/setDyForParameter.m, @pest/setModels.m,
  @pest/setNames.m, @pest/setPdf.m, @pest/setY.m,
  @pest/setYforParameter.m, @pest/setYunits.m,
  @pest/setYunitsForParameter.m, @plist/setName.m,
  @pzmodel/setDelay.m, @pzmodel/setGain.m, @pzmodel/setPoles.m,

@pzmodel/setZeros.m, @smodel/setParams.m, @smodel/setTrans.m,
@smodel/setValues.m, @smodel/setXunits.m, @smodel/setXvals.m,
@smodel/setXvar.m, @smodel/setYunits.m, @timespan/setEndT.m,
@timespan/setStartT.m: Replace the 'internal'-switch argument by
the new functionality utils.helper.callerIsMethod

2011-03-24 20:59 ingo

* +utils/@helper/callerIsMethod.m: Add the function
'generic_getInfo' to the exception list because with this is it
possible to skip also the following code for a 'internal'
command: % Check if this is a call for parameters   if
utils.helper.isinfocall(varargin{:})   varargout{1} =
getInfo(varargin{3});   return   end

2011-03-24 20:56 ingo

* @smodel/assignalias.m, @smodel/display.m, @smodel/eval.m,
@smodel/fitfunc.m, @smodel/linearize.m, +utils/@bin/fil.m,
+utils/@helper/collect_values.m, +utils/@math/loglikelihood.m,
+utils/@math/loglikelihood_matrix.m: We have changed the
'internal'-switch of the setter-methods to the
utils.helper.callerIsmethod functionality. So it is necessary in
the usage of the setter-methods to remove the 'internal'
argument.

2011-03-24 20:55 ingo

* @plist/plist.m: Add new prototype 'processSetterValues' which is
a helper function for setter-methods.

2011-03-24 20:55 ingo

* @plist/processSetterValues.m: new helper function for
setter-methods

2011-03-24 20:54 ingo

* @pest/: eval.m, find.m: [no log message]

2011-03-24 20:53 ingo

* @ltpda_uoh/addHistory.m, @matrix/fftfilt.m, @matrix/fromValues.m,
@matrix/linearize.m, @matrix/linfitsvd.m, @matrix/linlsqsvd.m,
@matrix/mchNoisegenFilter.m, @matrix/mcmc.m, @matrix/rotate.m,
@minfo/tohtml.m, @param/fromDom.m, @plist/parse.m,
@pzmodel/simplify.m: We have changed the 'internal'-switch of the
setter-methods to the utils.helper.callerIsmethod functionality.
So it is necessary in the usage of the setter-methods to remove
the 'internal' argument.

2011-03-24 20:53 ingo

* @ltpda_uoh/testCallerIsMethod.m: This method is a static method
and helps the UTP for checking the 'internal'-behaviour of a
function. For example that the function doesn't add history, ...

2011-03-24 20:52 ingo

* @ltpda_uoh/ltpda_uoh.m: Add prototype for the function:
testCallerIsMethod. This method is a static method and helps the
UTP for checking the 'internal'-behaviour of a function. For
example that the function doesn't add history, ...

2011-03-24 20:50 ingo

* @ltpda_uo/processSetterValues.m: new helper function for
setter-methods

2011-03-24 20:50 ingo

* @ltpda_uo/retrieve.m: Add an output of an error massage.

2011-03-24 20:50 ingo

	* @ltpda_uo/ltpda_uo.m: Add new prototype 'processSetterValues'
	  which is a helper function for setter-methods.

2011-03-24 20:48 ingo

	* @ltpda_uo/copy.m: bug fix: It is necessary to copy the UUID if it
	  is filled.

2011-03-24 20:47 ingo

	* @ao/: abs.m, ao.m, bin_data.m, fftfilt.m, fftfilt_core.m,
	  filtSubtract.m, filter.m, fromVals.m, linlsqsvd.m, lisovfit.m,
	  ltp_ifo2acc.m, mcmc.m, mcmc_td.m, mdc1_cont2act_utn.m,
	  mdc1_ifo2acc_fd.m, mdc1_ifo2acc_fd_utn.m, mdc1_ifo2acc_inloop.m,
	  mdc1_ifo2cont_utn.m, mdc1_ifo2control.m, mdc1_x2acc.m, mean.m,
	  melementOp.m, noisegen1D.m, noisegen2D.m, rotate.m, sDomainFit.m,
	  tdfit.m, timeaverage.m, zDomainFit.m: [no log message]

2011-03-24 20:46 ingo

	* @ssm/CPSD.m, @ssm/PSD.m, @ssm/bode.m, @ssm/bodecst.m,
	  @ssm/kalman.m, @ssm/noiseSpectrum.m, @ssm/resp.m, @ssm/respcst.m,
	  @ssm/simulate.m, @ltpda_filter/impresp.m, @ltpda_tf/resp.m: We
	  have changed the 'internal'-switch of the setter-methods to the
	  utils.helper.callerIsmethod functionality. So it is necessary in
	  the usage of the setter-methods to remove the 'internal'
	  argument.

2011-03-24 15:49 mauro

	* @time/strftime.m: The case of time.utc_epoch_milli = NaN now
	  gives a string 'NaN'

2011-03-24 10:55 mauro

	* @ssm/ssm2dot.m: Bug fix

2011-03-23 21:05 adrien

	* +utils/@math/pzmodel2SSMats.m, @ssm/ssmFromMiir.m,
	  @ssm/ssmFromRational.m: Code adapted to transfer functions
	  without any poles

2011-03-23 16:49 adrien

	* @ssm/modelHelper_declareParameters.m: Dealing with the special
	  cases 'ALL', 'NONE', the likely '' . Finally I am not adding a
	  warning.

2011-03-23 16:47 adrien

	* @ssm/: kalman.m, resp.m, respcst.m: Using internal call to set
	  the output AO YUnits.

2011-03-23 15:37 luigi

	* @smodel/: setAliasNames.m, setAliasValues.m, smodel.m: sestter
	  methos for alias

2011-03-23 12:28 mauro

	* @ao/: dx.m, dz.m, x.m, z.m: Switch to full support for multiple
	  inputs. Output is still a matrix, a column for each input.
	  Missing field in at least one input object forces the output to
	  empty. Use the callerIsMethod flag to speed up calls form other
	  methods.

2011-03-23 12:27 mauro

```
	* @ao/: dy.m, y.m: Switch to full support for multiple inputs.
	  Output is still a matrix, a column for each input. Use the
	  callerIsMethod flag to speed up calls form other methods.

2011-03-23 11:32  mauro

	* @fsdata/fsdata.m, @tsdata/tsdata.m, @xydata/xydata.m,
	  @xyzdata/xyzdata.m: Harmonize syntax with cdata. Same effect as
	  previous syntax.

2011-03-23 11:31  mauro

	* @cdata/cdata.m: Bug fix: the 'version' property was settable

2011-03-23 11:24  mauro

	* @ao/ao.m: Cosmetics

2011-03-23 11:23  mauro

	* @ao/: fs.m, nsecs.m, t0.m: Switch to full support for multiple
	  inputs. A side effect is that we cannot output [] for a
	  non-existing property, so we tentatively use NaN

2011-03-21 16:47  mauro

	* @data3D/: getDz.m, setDz.m: Added setter and getter for dz field

2011-03-21 16:47  mauro

	* @data3D/getZ.m: Code harmonization

2011-03-21 16:47  mauro

	* @data3D/: setZ.m, setZunits.m: Help fixed

2011-03-21 15:54  mauro

	* @ltpda_data/getDy.m, @ltpda_data/getY.m, @data2D/getDx.m,
	  @data2D/getX.m: Code harmonization

2011-03-21 15:54  mauro

	* @ltpda_data/setDy.m, @data2D/setXunits.m: Help fixed

2011-03-21 15:53  mauro

	* @ltpda_data/setY.m, @ltpda_data/setYunits.m, @data2D/setDx.m,
	  @data2D/setX.m, @data2D/setXY.m: Just cosmetics

2011-03-21 15:52  mauro

	* @cdata/getDy.m, @cdata/getY.m, @cdata/setDy.m, @cdata/setY.m,
	  @cdata/setYunits.m, @data2D/getDy.m, @data2D/getY.m,
	  @data2D/setDy.m, @data2D/setY.m, @data2D/setYunits.m: These
	  functionalities are inherited from the ltpda_data class.

2011-03-21 11:33  miquel

	* @matrix/mcmc.m: bug fixed: changing to new file names for the
	  simplex

2011-03-21 09:15  mauro

	* @data3D/getZ.m: Fixed typo in help

2011-03-21 09:13  mauro

	* @ao/dz.m: A missing one.  Note: currently broken, still need to
	  code data3D/getDz

2011-03-21 09:12  mauro
```

```
	* @ao/: dx.m, dy.m, x.m, y.m, z.m: The help and the UTPs say that
	  we support single inputs only: now they are coded accordingly and
	  we throw an error in case of multiple inputs.

2011-03-21 00:15  mauro

	* @ao/: fs.m, nsecs.m, t0.m: Make sure we support single inputs
	  only: throws an error otheriwise.  Use callerIsMethod to skip
	  collectObjects.

2011-03-21 00:12  mauro

	* @ao/len.m: Properly supporting multiple inputs / multiple outputs
	  Use callerIsMethod to skip collectObjects

2011-03-18 11:39  mauro

	* @ao/: buildWhitener1D.m, whiten1D.m: Cosmetics

2011-03-17 13:53  mauro

	* @ao/: diag.m, eig.m, svd.m: Use the factory plist to build
	  default plist UTPs updated accordingly

2011-03-15 18:54  congedo

	* @ao/tdfit.m: bug fixed

2011-03-15 18:16  luigi

	* +utils/@math/kstest.m: bug fixed

2011-03-15 18:16  luigi

	* +utils/@math/: cdfplot.m, ppplot.m, qqplot.m: methods updated

2011-03-15 17:37  luigi

	* +utils/@math/: SKcriticalvalues.m, kstest.m, math.m: cosmetics

2011-03-15 17:34  congedo

	* @ao/xfit.m: bug fixed

2011-03-15 17:24  miquel

	* @matrix/mcmc.m: bug fixed: we were applying optimisedForFitting
	  to all cases, even when it was a matrix model

2011-03-15 17:22  miquel

	* +utils/@math/mhsample.m: renaming utils.math.loglikelihood

2011-03-15 17:19  miquel

	* +utils/@math/: loglikehood.m, loglikehood_matrix.m,
	  loglikehood_ssm.m, loglikehood_ssm_td.m, loglikehood_td.m,
	  loglikelihood.m, loglikelihood_matrix.m, loglikelihood_ssm.m,
	  loglikelihood_ssm_td.m, loglikelihood_td.m, math.m: renaming
	  loglikehood* files to loglikelihood*

2011-03-15 15:59  luigi

	* +utils/@math/: KSpValue.m, SKcriticalvalues.m, kstest.m, math.m:
	  improvements and updates

2011-03-15 13:35  mauro

	* @cdata/applymethod.m: Added a check on the axis we are asking to
	  operate on, and make sure we throw an error if different thatn
	  'y'
```

2011-03-15 13:34 mauro

	* @data2D/applymethod.m: Updated error message

2011-03-15 10:49 luigi

	* @matrix/linfitsvd.m: bug fixed

2011-03-14 17:06 mauro

	* @ao/welch.m: Just changing index names, and some clean-up on
	  formatting.

2011-03-14 17:04 mauro

	* @ao/welch.m: Bug fix for the case of tfe with more than 1 window.
	  Segment detrended data were NOT used.

2011-03-14 11:53 congedo

	* @ao/: tdfit.m, xfit.m: implemented the choice of the local
	  M-estimate. it's more robust than chi2 in case of non-gaussian
	  noise, glitches and outliers.

2011-03-14 11:46 luigi

	* @matrix/linfitsvd.m: come back to procinfo since chain accepts
	  only doubles

2011-03-11 19:32 adrien

	* @ao/gapfillingoptim.m: Debug for the LL ("Z-test") fitting for
	  the gap-filling (does not give very good results anyway)

2011-03-11 13:15 luigi

	* @matrix/linfitsvd.m: added information on fit process in chain
	  field instead of the procinfo

2011-03-11 12:48 congedo

	* @ao/xfit.m: tracks optimization history (chain) and put it in the
	  output pest's field 'chain'.

2011-03-11 11:47 luigi

	* @matrix/linfitsvd.m: added a parameter to input numerical
	  derivative step for each fit parameter

2011-03-11 11:28 congedo

	* @ao/tdfit.m, @matrix/tdfit.m: updated smodel\diff step. updated
	  ssm template generation. added new option to perform a
	  preliminary gradient-based search.

2011-03-11 11:11 hewitson

	* @LTPDARepositoryManager/addConnection.m: The help says I can do

	  conn = rm.addConnection(pl)

	  but the output was not set. I fixed this bug.

2011-03-11 10:28 luigi

	* +utils/@math/linfitsvd.m, +utils/@math/linlsqsvd.m,
	  @ao/linlsqsvd.m, @matrix/linfitsvd.m, @matrix/linlsqsvd.m: Added
	  the possibility to externally set a parameter controlling the
	  chosen critical values for parameters estimation

2011-03-11 07:59 mauro

```
      * @ao/welchscale.m: Bug fix for the case of single window, where we
        have no uncertainty

2011-03-10 23:41  mauro

      * @smodel/setTrans.m: Bug fixed

2011-03-10 23:31  mauro

      * @smodel/diff.m: Support smodels with more than one xvar Make
        clear that we do not support multiple inputs

2011-03-10 17:55  congedo

      * +utils/@math/: chi2.m, math.m: utility for the evaluation of chi2
        (and its gradient)

2011-03-10 16:24  mauro

      * @ao/elementOp.m: I am sorry, I meant plotinfo.  And, since
        non-empty plotinfo is a plist, this is faster.

2011-03-10 16:14  mauro

      * @ao/elementOp.m: An (arguable) attempt to preserve the procinfo.
        - If both are non-empty, the first objects one is used - The
        propagation is done only if caller is not a method (as for the
        description field)

2011-03-10 14:51  mauro

      * @matrix/: mchNoisegen.m, mchNoisegenFilter.m: Fixed broken help

2011-03-10 12:21  miquel

      * @ao/welchscale.m: corrected scaling in ASD, AS and PS errors. Now
        does it according to errors'propagation.  I've also removed a
        factor ^2 multiplying 'enbw' in the errors, because I don't think
        it's right

2011-03-10 11:28  miquel

      * @matrix/crb.m: - computes Fisher matrix also for ssm models -
        added 'diffStep' field in plist to set numerical differentiation
        step

2011-03-10 11:26  miquel

      * @matrix/mcmc.m: corrected typo corrected error when multiple
        models are inputted

2011-03-10 10:23  hewitson

      * @matrix/getObjectAtIndex.m: Bug fixes.

        1) If the user requests multiple indices, the output objects now
        get the correct history

        2) fixed help text.

2011-03-10 07:31  mauro

      * @smodel/: minus.m, plus.m, rdivide.m, times.m: Help updated

2011-03-10 07:31  mauro

      * @smodel/elementOp.m: Supporting promotion of single-valued cdata
        aos as the second argument Help updated

2011-03-10 07:05  mauro
```

```
	* @smodel/: minus.m, plus.m, rdivide.m, times.m: Adapted to comply
	  with the new behavior of smodel/elementOp

2011-03-10 07:04  mauro

	* @smodel/elementOp.m: Bug fixed handling aliases Added
	  callerIsMethod flag Handling multiple xvar

2011-03-10 06:56  mauro

	* @matrix/: det.m, inv.m: Bug fix in getInfo

2011-03-09 16:21  marc1

	* @ao/whiten1D.m: introducing the scalefactor as part of the
	  procinfo if used

2011-03-09 15:48  marc1

	* @matrix/mcmc.m: typo corrected in help

2011-03-09 15:47  marc1

	* @matrix/crb.m: updated a particular case of the magnetic analysis

2011-03-09 12:40  luigi

	* +utils/@math/ecdf.m: a completely new version for the calcualtion
	  of ecdf. Now does not refer of corresponding stat toolbox ecdf

2011-03-08 21:30  mauro

	* @smodel/convol_integral.m: Removed dead code Added callerIsMethod
	  flag to skip history step

2011-03-08 17:05  mauro

	* @ao/: bilinfit.m, linfit.m, polyfit.m, polynomfit.m: Cosmetics

2011-03-08 14:10  hewitson

	* @ao/iplot.m: Bug fix: the computation of the y tick marks was
	  broken if one of the input objects is full of zeros.

2011-03-08 14:09  hewitson

	* @ao/ao.m: Added a convenient factory constructor:

	  n = ao.randn(10) % cdata n = ao.randn(10,1) % tsdata (nsecs, fs)

2011-03-08 12:26  ingo

	* @ao/elementOp.m: Use the names 'matrix' and 'vector' for the
	  variable name if a user uses directly numbers as an input. For
	  example: c = a .* [1:1000]

2011-03-08 12:13  ingo

	* @data2D/attachToDom.m: bug fix: remove attaching the fields 'y',
	  'dy', and 'yunits' because we do this in the super class.

2011-03-08 11:41  mauro

	* @ao/curvefit.m: This method is deprecated and replaced by ao/xfit
	  As such, it is now removed.

2011-03-08 10:38  miquel

	* @matrix/mcmc.m: fills in the dof field simplex search works with
	  lighter version of ssm models

2011-03-07 21:54  mauro
```

* @plist/plist.m: Fix in the text about 2D and 3D plists

2011-03-07 21:52 mauro

* @matrix/inv.m: Complies with the new behavior of matrix/det

2011-03-07 21:49 mauro

* @matrix/det.m: Now the output is not a matrix any more, but
  instead an object of the contained class. Help fixed Speeded up

2011-03-07 21:43 mauro

* @smodel/double.m, @ao/linfit.m: Cosmetics

2011-03-07 18:38 congedo

* +utils/@math/: SFtest.m, math.m: choose whether to show the plots
  or not

2011-03-07 18:30 hewitson

* @unit/unit.m: Some optimisation that I hope doesn't break
  anything. Can it be that we really have no unit tests for the
  unit class?

2011-03-07 18:29 hewitson

* @unit/toSI.m: First attempt at a converter to base SI units.

2011-03-07 17:56 congedo

* +utils/@math/Fpdf.m: help updated

2011-03-07 17:50 congedo

* +utils/@math/: Ftest.m, SFtest.m, math.m: updated with more
  robust test

2011-03-07 11:46 luigi

* +utils/@math/: crank.m, math.m, spcorr.m: Spearman Rank-Order
  Correlation Coefficient and hypothesis test

2011-03-07 10:54 mauro

* @smodel/linearize.m: Just a change in index name

2011-03-07 10:38 mauro

* @collection/getObjectAtIndex.m: Bug fix: this method was not
  adding history to the output object(s).

2011-03-07 10:37 mauro

* @matrix/getObjectAtIndex.m: Cosmetics

2011-03-07 10:19 mauro

* @smodel/linearize.m: Now that smodel/diff does not add history
  when called by a method, we need to do it at this level.

2011-03-07 10:11 mauro

* @smodel/simplify.m: Supporting the callerIsMethod flag to skip
  history and name setting.

2011-03-07 10:11 mauro

* @smodel/diff.m: Supporting the callerIsMethod flag to skip
  history and name setting. Sets units when appropriate.

2011-03-07 09:13 mauro

	* @smodel/: det.m, inv.m: Supporting the callerIsMethod flag to
	  skip history and name setting.

2011-03-07 09:05 mauro

	* @smodel/op.m: Supporting the callerIsMethod flag to skip objects
	  collections, history and name setting.

2011-03-07 09:02 mauro

	* @smodel/: laplace.m, fourier.m, ifourier.m, ilaplace.m,
	  iztrans.m, ztrans.m: Cosmetics

2011-03-07 07:17 mauro

	* @smodel/smodel.m: Made smodel/sop private

2011-03-07 07:01 mauro

	* @smodel/: fourier.m, ifourier.m, ilaplace.m, iztrans.m,
	  laplace.m, ztrans.m: Call smodel/sop as a modifer. Handle the
	  callerIsMethod flag. Handle units if present.

2011-03-07 06:58 mauro

	* @smodel/sop.m: Implemented as a modifier. Removed collecting of
	  objects. Supporting the callerIsMethod flag to skip history and
	  name setting.

2011-03-04 07:23 mauro

	* @pest/toAO.m: This method is deprecated and replaced by pest/find
	  As such, it is now removed.

2011-03-04 07:22 mauro

	* @ao/timedomainfit.m: This method is deprecated and replaced by
	  ao/lscov As such, it is now removed.

2011-03-04 07:21 mauro

	* @ao/straightLineFit.m: This method is deprecated and replaced by
	  ao/linfit As such, it is now removed.

2011-03-04 07:21 mauro

	* @ao/pwelch.m: This method is deprecated and replaced by ao/psd As
	  such, it is now removed.

2011-03-04 07:20 mauro

	* +utils/@helper/ltpda_categories.m: This method is deprecated and
	  replaced by utils.const.categories.list As such, it is now
	  removed.

2011-03-04 07:14 mauro

	* +utils/@helper/process_smodel_diff_options.m: Bug fixed in
	  storing the actually used parameters

2011-03-03 20:16 adrien

	* @ao/gapfillingoptim.m: Updating the gapfilling function with
	  three different tests (Z-tests and F-tests, on the spectrum)

2011-03-03 19:14 hewitson

	* +utils/@math/loglikehood_ssm.m: Take in the A,B,C,D matrices and
	  use them to reset the system object before setting the

parameters. This avoids the copy. Also fixed the indentation to
the one we all use (2 spaces per tab).

2011-03-03 19:13 hewitson

* +utils/@math/mhsample.m: Cache the A,B,C,D matrices and pass them
in to the logliklihood routine. This allows us to avoid copying
the object since we can just set the matrices each time in the
loop using the new hidden setters. This, together with the
optimisation of the system results in a factor of 6 speed
increase on my laptop.

2011-03-03 19:12 hewitson

* @matrix/mcmc.m: Optimise the model before entering the sampling
loop.

2011-03-03 19:11 hewitson

* @ssm/doSubsParameters.m: Check if we have any symbolic matrices
in the system. If not, we only declare parameters as doubles. If
we have, then we revert to the old system of declaring them as
symbols.

2011-03-03 19:10 hewitson

* @ssm/ssm.m: Declare the new setters as hidden.

2011-03-03 19:10 hewitson

* @ssm/optimiseForFitting.m: A new tool which optimises a
statespace model for fitting. It ensures that any matrix that can
be numeric, will be numeric. It also converts mupad symbolic
matrices to string equivalents which can be evaluated in the
loop.

2011-03-03 19:09 hewitson

* @ssm/: setA.m, setB.m, setC.m, setD.m: Hidden setter methods for
the ssm matrices.

2011-03-01 12:35 ingo

* @stattest/stattest.m: remove the methods 'addGlobalKeys' and
'removeGlobalKeys' because this class inherits this methods from
the parent-class.

2011-02-28 19:08 ingo

* @LTPDAworkbench/lib.mat: We have changed at least the default
value for 'plotinfo' from an empty PLIST to an empty array [].

2011-02-28 19:04 ingo

* @ao/ao.m, @collection/collection.m, @filterbank/filterbank.m,
@ltpda_uoh/ltpda_uoh.m, @matrix/matrix.m, @mfir/mfir.m,
@miir/miir.m, @parfrac/parfrac.m, @pest/pest.m,
@pzmodel/pzmodel.m, @rational/rational.m, @smodel/smodel.m,
@ssm/ssm.m, @timespan/timespan.m: move the static methods:
'addGlobalKeys' and 'removeGlobalKeys' to the super-class
ltpda_uoh. -> easier to maintain

2011-02-28 18:11 ingo

* @plist/update_struct.m: - remove the history part from the
headers because we track the history with cvs

2011-02-28 18:10 ingo

* @param/param.m, @plist/append.m, @plist/setDescriptionForParam.m:
check before setting the 'desc' to a param-object that the value
is a string. We don't have a setter rule for the 'desc' because

```
        the rules cost too much time.

2011-02-28 18:08  ingo

      * @plist/: setOptionsForParam.m, setSelectionForParam.m: - remove
        the history part from the headers because we track the history
        with cvs - correct some command description and error message.

2011-02-28 18:07  ingo

      * @plist/simplify.m: add header

2011-02-28 18:06  ingo

      * @plist/: char.m, combine.m, display.m, find.m,
        getDescriptionForParam.m, getIndexForKey.m, getKeys.m,
        getOptionsForParam.m, getParamValueForParam.m,
        getSelectionForParam.m, getSetRandState.m, isparam.m, mfind.m,
        nparams.m, parse.m, plist2cmds.m, pset.m, remove.m, removeKeys.m,
        setDefaultForParam.m, setName.m, string.m, subset.m: remove the
        history part from the headers because we track the history with
        cvs .

2011-02-28 13:40  ingo

      * @mfir/redesign.m, @miir/redesign.m: Nothing

2011-02-28 13:39  ingo

      * @ltpda_uoh/rebuild.m: Simplify the method by using
        history/rebuild.

2011-02-28 13:38  ingo

      * @ao/mode.m: - Combine the input PLIST with the default PLIST -
        call applymethod as a modifier - change the order of the first
        two inputs.

2011-02-28 13:35  ingo

      * @history/hist2m.m: Don't use collect_objects because it cost too
        much time. Use fix number of inputs instead.

2011-02-28 13:34  ingo

      * @history/rebuild.m: It was a mistake to delete this method. Some
        methods use this method to rebuild objects which are stored as
        history-objects in PLISTs. For example miir/redesign.

2011-02-28 06:49  mauro

      * @ao/average.m: Use the lighter setters for the data class In the
        case of single input, just pass it out

2011-02-27 17:33  luigi

      * +utils/@math/qqplot.m: bug fixed in xlabel and ylabel

2011-02-26 13:29  hewitson

      * @ao/abs.m: I think for abs we can just keep the errors on the
        original data. Discuss.

2011-02-25 16:49  ingo

      * @ao/: abs.m, acos.m, angle.m, asin.m, atan.m, conj.m, cos.m,
        det.m, diag.m, eig.m, exp.m, imag.m, inv.m, ln.m, log10.m, log.m,
        mean.m, median.m, norm.m, phase.m, real.m, round.m, sign.m,
        sin.m, sqrt.m, std.m, sum.m, svd.m, tan.m, uminus.m, unwrap.m,
        var.m: - Combine the input PLIST with the default PLIST - call
        applymethod as a modifier - change the order of the first two
        inputs.
```

2011-02-25 16:46 ingo

	* @ao/applyoperator.m: [no log message]

2011-02-25 16:46 ingo

	* @ao/: hypot.m, atan2.m, mpower.m, power.m: Use applyOperator as a
	  modifier and change the order of the first two inputs.

2011-02-25 16:45 ingo

	* @ao/export.m: new behavior for cdata AOs. We don't generate dummy
	  'x' values for cdata values. Now we store only the y values. We
	  will keep the shape of the values.

2011-02-25 16:41 ingo

	* @cdata/applymethod.m, @data2D/applymethod.m, @ao/applymethod.m: -
	  Use fix number of inputs because only ao/applymethod calls this
	  method - Don't pass a PLIST back because we want to use the
	  default PLIST from the AO methods. - Remove the default PLIST
	  because we want to use the default PLIST from the AO methods.

2011-02-25 16:33 ingo

	* @plist/plist.m: Change the default value of the AXIS_DATA_3D to
	  'y' (before 'z')

2011-02-25 11:05 congedo

	* +utils/@math/Fpdf.m: help corrected

2011-02-25 11:04 congedo

	* +utils/@math/: Kurt.m, Skew.m, math.m: sample kurtosis and
	  skewness, bias-corrected.

2011-02-25 08:54 hewitson

	* @plist/simplify.m: A method which simplifies a plist. This is
	  hidden and intended for use in speed critical methods. It
	  replaces the paramValue with the default value and throws away
	  all options and properties, thus making the plist much lighter.

2011-02-24 21:01 mauro

	* @ao/average.m: A method to average aos point-by-point. For each
	  point, an average is taken over all the input objects.

2011-02-24 18:17 congedo

	* +utils/@math/Fpdf.m: F distribution function

2011-02-24 16:57 hewitson

	*
	  tests/models/@ltpda_builtin_model_utp/test_builtin_model_versions.m:
	  Add a new test that checks the object built from the model can be
	  rebuilt properly.

2011-02-24 11:16 congedo

	* @pest/combineExps.m: bug fixed

2011-02-24 08:43 hewitson

	* @ao/elementOp.m: We should only check the sample rate for tsdata
	  objects. It's ok to divide out two frequency series with
	  different sample rates since there the fs is only for
	  information.

2011-02-24 07:56 hewitson

	* @ao/melementOp.m: bug fix: we should always set the yunits, even
	  is caller is method.

2011-02-24 07:15 mauro

	* @ao/: acos.m, asin.m, atan.m, cos.m, diag.m, eig.m, imag.m, ln.m,
	  log.m, log10.m, mean.m, mode.m, norm.m, phase.m, round.m, sign.m,
	  sqrt.m, sum.m, svd.m, tan.m, uminus.m, unwrap.m, var.m, abs.m,
	  angle.m, conj.m, det.m, exp.m, inv.m, median.m, real.m, sin.m,
	  std.m: Speeded up a little bit by calling getInfo('None') that
	  produces not sets nor plists. We do not want to store all the
	  plists in the history anyways.

2011-02-23 16:33 marc1

	* @ao/whiten1D.m: option to whiten to scale the output by the power
	  inband (we conserve the power inband). The default behaviour is
	  unchanged, but this can be used as an option.

2011-02-23 16:14 hewitson

	* @ssm/simulate.m: bug fix: we forgot to add history to the new
	  output matrix object.

2011-02-23 16:13 hewitson

	* tests/@ltpda_test_runner/get_builtin_model_tests.m: include the
	  extension module tests.

2011-02-23 14:46 hewitson

	* +utils/@helper/callerIsMethod.m: Add collect_values to the
	  exceptions list, and make the exceptions list persistent between
	  calls.

2011-02-23 12:56 ingo

	* @ltpda_uoh/addHistory.m: bug fix: It is necessary to index the
	  input object to set the UUID.

2011-02-23 07:47 hewitson

	* @plist/eq.m: Handle the fact that param.val may not be a
	  paramValue object.

2011-02-22 16:54 hewitson

	* @ssm/subsParameters.m: Bug fix. We need to check for the info
	  call independent of the callerIsMethod flag.

2011-02-22 16:54 hewitson

	* @paramValue/setValIndexAndOptions.m: It seems it's faster to
	  check nargout in the caller and avoid calling copy() than to do
	  the checking inside copy(). The overhead of calling the function
	  can become significant. It seems an 'if' clause is cheaper.

2011-02-22 16:53 hewitson

	* @param/setProperty.m: If the user wants to set a property, we
	  first make sure that the value is promoted to a paramValue
	  because that's where we store the properties structure. We may
	  consider moving the properties structure from the paramValue to
	  the param class.

2011-02-22 16:51 hewitson

	* @plist/pset.m: Faster implementation.

2011-02-22 16:51 hewitson

```
      * @param/param.m: Removed the setter rules for description and
        value. In principle, wherever possible, setter rules should be
        moved to the user interface level (in the setters of user
        classes).

2011-02-22 16:50  hewitson

      * @LTPDAworkbench/mpl2jpl.m, @param/setDefaultIndex.m,
        @param/setDefaultOption.m: Handle the fact that param.val may not
        be a paramValue object.

2011-02-22 16:50  hewitson

      * +utils/@math/mhsample.m: Build the bode plist and pass it in to
        the log-liklihood calculation.

2011-02-22 16:48  hewitson

      * @matrix/mcmc.m: We can lighten the model before the fitting.
        Since we copy every time in the loop, we should remove all
        unnecessary information. For all objects, clearing the history is
        a must; for SSM we can clear other stuff as well.

2011-02-22 16:47  hewitson

      * +utils/@math/math.m: Please, please, please declare methods with

        varargout = foo(varargin)

        so that changing the implementation doesn't need a change in the
        declaration.

2011-02-22 16:47  hewitson

      * @LTPDAworkbench/LTPDAworkbench.m: Don't throw an error for models
        which can't be uploaded to the workbench. Some old models still
        exist so we just skip over them but throw a warning on the
        terminal.

2011-02-22 16:46  hewitson

      * @ltpda_obj/ltpda_obj.m: Don't hide all these inherited methods
        because this means we have overriden them with empty methods.
        Seems strange, but seems to be true.

2011-02-22 16:45  hewitson

      * @ltpda_data/ltpda_data.m: Faster way of checking a property
        exists in the object.

2011-02-22 16:45  hewitson

      * +utils/@math/loglikehood_ssm.m: 1) pass in the bode plist from
        above so we don't create it every time in the loop

        2) tell doSubsParameters that we are a method so we can do the
        optimised routine

        3) use the new faster bode output getting the data directly
        instead of going through AOs.

2011-02-22 16:43  hewitson

      * @LTPDAworkbench/lib.mat: Updated library for the gui.

2011-02-22 16:43  hewitson

      * @ssm/keepParameters.m: Set the callerIsMethod flag and pass it to
        doSubsParameters().

2011-02-22 16:42  hewitson
```

```
      * +utils/@helper/isinfocall.m: Slightly faster version.

2011-02-22 16:41  hewitson

      * @param/getDefaultVal.m, @param/getOptions.m,
        @plist/getOptionsForParam.m, @param/getProperty.m,
        @param/getVal.m: Handle the fact that param.val may not be a
        paramValue object.

2011-02-22 16:41  hewitson

      * @ssm/doSubsParameters.m: Minor optimisation and fix in help
        header.

2011-02-22 16:41  hewitson

      * @ssm/doSetParameters.m: A bug fix. Since pset appends a key
        that's not present, we need to check for the key's existence
        before calling pset.

2011-02-22 16:40  hewitson

      * @param/copy.m: Since we now support 'naked' parameter values, we
        need to decide whether to call copy() or not.

2011-02-22 16:39  hewitson

      * +utils/@helper/callerIsMethod.m: Don't restrict to looking for
        methods in 'classes/@someclass/somemethod.m' but allow any class
        method to trigger this flag.

2011-02-22 16:39  hewitson

      * @ssm/bode.m: 1) bug fix: we always have to check for the info
        call, regardless of the callerIsMethod flag since we call for
        info from inside methods (getting help, for example).

        2) added a fast output case for inside fitters:

            [d1 d2 d3 d4 ...] = bode(sys, pl)

        where d* are numeric vectors. This means we skip the creation of
        AOs. This case works if callerIsMethod and nargout == number of
        output vectors.

        3) split apart the creation of AO for profiling. This can be put
        back together later.

2011-02-22 16:36  hewitson

      * @param/attachToDom.m: Handle the fact that param.val may not be a
        paramValue object.

2011-02-22 16:35  hewitson

      * @plist/append.m: 1) better handling of the shortcut case
        pl.append(param) and also handle the new possibility that the
        param value is not a paramValue object

        2) add a new shortcut case for pl.append(key, val)

        3) in the shortcut cases, throw an error if the key being
        appended exists already (this was a bug before)

        4) faster implementation of pl.append(key1, val1, key2, val2,
        ...)

2011-02-22 16:32  hewitson

      * @ao/ao.m: 1) bug fix in the default plist for "from pest". We
        need to set a sensible index, even for an empty value. Either use
```

```
        the factor methods or

        {1, {{}}, paramValue.SINGLE}

        2) Don't make an empty plist for plotinfo by default. (Hopefully
        this doesn't break too many things)

2011-02-22 15:02  luigi

      * +utils/@math/: boxplot.m, kstest.m, qqplot.m: some bug fixed

2011-02-22 11:37  luigi

      * +utils/@math/: cdfplot.m, ppplot.m, qqplot.m: some bug fixed

2011-02-22 11:26  adrien

      * @ao/spsd.m: Repair broken ASD behavior, and update statistical
        explanations for variance

2011-02-21 18:00  adrien

      * @ao/gapfillingoptim.m: code optimized, made faster using the new
        matrix multiplication for freq. averaging. Nothing changed for
        the user. Circshift is not called in the optimization loop
        anymore.

2011-02-21 17:59  adrien

      * @ao/optSubtraction.m: code optimized, made faster using the new
        matrix multiplication for freq. averaging. Nothing changed for
        the user.

2011-02-21 17:58  adrien

      * @ao/spsd.m: Now PSD stats match theory. A more accurate
        "effective" number of averages takes into account the case when
        some input dominate the average, and computes the variance
        accordingly." software/m-toolbox/classes/@ao/spsd.m

2011-02-21 15:24  hewitson

      * @ssm/subsParameters.m: use callerIsMethod utility.

2011-02-21 15:24  hewitson

      * @ssm/ssm.m, @ssmblock/ssmblock.m, @ssmport/ssmport.m: Added the
        hidden clearAllUnits method.

2011-02-21 15:23  hewitson

      * @ssm/doSubsParameters.m: Use callerIsMethod flag passed from
        caller and our optimised version of symbolic eval. Hopefully the
        vectorize() method we replaced is doing what we think.

2011-02-21 15:23  hewitson

      * @ssmport/copy.m: Removed commented out code and skip copying
        units if they are empty. For use in other methods (fitters etc)
        we can clear all port units to be [] using the new
        ssm.clearAllUnits. This clearAllUnits method is hidden from the
        user. Clearing all the units is dangerous since many places in
        the SSM class index this object without checking first what it
        is. However, for internal use we can be careful and benefit from
        not copying units, which is expensive.

2011-02-21 15:20  hewitson

      * @ssmblock/copy.m: Removed commented out code.

2011-02-21 15:20  hewitson
```

```
      * @ssm/bode.m: use the new callerIsMethod utility.

        NOTE: the 'internal' flag is gone. If bode is called from within
        a class method, then it will automagically do what you want.

2011-02-18 17:58  congedo

      * +utils/@math/: Ftest.m, SFtest.m, math.m: SFtest: Spectral
        F-test. this function performes an F-test, on two PSDs and solves
        the following hypothesis test: H0 ('the two spectra belong to the
        same statistical distribution') is rejected or not in favour of
        H1 ('the two spectra belong to different statistical
        distributions').

2011-02-18 17:54  luigi

      * @matrix/linlsqsvd.m: some bugs fixed added units propagation

2011-02-18 17:53  luigi

      * @pest/eval.m: added unit propagation for model of matrix of aos

2011-02-18 17:49  luigi

      * @pest/eval.m: bug fixed in evaluation for a matrix model of aos

2011-02-18 17:48  ingo

      * @cdata/applymethod.m, @cdata/applyoperator.m, @cdata/cdata.m,
        @cdata/char.m, @cdata/display.m, @cdata/getDy.m, @cdata/getY.m,
        @cdata/minus.m, @cdata/plus.m, @cdata/setDy.m, @cdata/setY.m,
        @cdata/setYunits.m, @cdata/update_struct.m,
        @data2D/applymethod.m, @data2D/applyoperator.m, @data2D/char.m,
        @data2D/data2D.m, @data2D/getDx.m, @data2D/getDy.m,
        @data2D/getX.m, @data2D/getY.m, @data2D/setDx.m, @data2D/setDy.m,
        @data2D/setX.m, @data2D/setXY.m, @data2D/setXunits.m,
        @data2D/setY.m, @data2D/setYunits.m, @data3D/applymethod.m,
        @data3D/applyoperator.m, @data3D/data3D.m, @data3D/getZ.m,
        @data3D/setZ.m, @fsdata/display.m, @fsdata/fsdata.m,
        @fsdata/setEnbw.m, @fsdata/setFs.m, @fsdata/setNavs.m,
        @fsdata/setT0.m, @fsdata/update_struct.m, @history/char.m,
        @history/display.m, @history/getNodes.m, @history/hist2dot.m,
        @history/hist2m.m, @history/history.m, @history/plot.m,
        @history/string.m, @history/update_struct.m, @ltpda_data/getDy.m,
        @ltpda_data/getY.m, @ltpda_data/ltpda_data.m,
        @ltpda_data/setDy.m, @ltpda_data/setY.m, @ltpda_data/setYunits.m,
        @ltpda_nuo/ltpda_nuo.m, @minfo/addChildren.m, @minfo/char.m,
        @minfo/display.m, @minfo/minfo.m, @minfo/modelOverview.m,
        @minfo/setArgsmax.m, @minfo/setArgsmin.m,
        @minfo/setDescription.m, @minfo/setModifier.m,
        @minfo/setMversion.m, @minfo/setOutmax.m, @minfo/setOutmin.m,
        @minfo/tohtml.m, @minfo/update_struct.m, @param/char.m,
        @param/display.m, @param/param.m, @param/setDesc.m,
        @param/setKey.m, @param/setKeyVal.m, @param/setVal.m,
        @param/string.m, @param/update_struct.m, @paramValue/char.m,
        @paramValue/display.m, @paramValue/getOptions.m,
        @paramValue/getVal.m, @paramValue/paramValue.m,
        @paramValue/update_struct.m, @plist/string.m, @provenance/char.m,
        @provenance/display.m, @provenance/getEncodedString.m,
        @provenance/provenance.m, @provenance/setFromEncodedInfo.m,
        @provenance/string.m, @provenance/update_struct.m, @pz/char.m,
        @pz/cp2iir.m, @pz/cz2iir.m, @pz/display.m, @pz/fq2ri.m, @pz/pz.m,
        @pz/resp.m, @pz/ri2fq.m, @pz/rp2iir.m, @pz/rz2iir.m, @pz/setF.m,
        @pz/setQ.m, @pz/setRI.m, @pz/string.m, @pz/update_struct.m,
        @specwin/display.m, @specwin/get_window.m, @specwin/specwin.m,
        @specwin/string.m, @specwin/update_struct.m, @ssmblock/char.m,
        @ssmblock/display.m, @ssmblock/getPortsAtIndices.m,
        @ssmblock/getPortsWithName.m, @ssmblock/ssmblock.m,
        @ssmblock/string.m, @ssmblock/update_struct.m, @ssmport/char.m,
        @ssmport/display.m, @ssmport/ssmport.m, @ssmport/string.m,
        @ssmport/update_struct.m, @time/char.m, @time/double.m,
        @time/getTimezones.m, @time/string.m, @time/time.m,
```

@tsdata/collapseX.m, @tsdata/display.m, @tsdata/fixNsecs.m,
@tsdata/getX.m, @tsdata/growT.m, @tsdata/setFs.m,
@tsdata/setNsecs.m, @tsdata/setT0.m, @tsdata/tsdata.m,
@tsdata/update_struct.m, @unit/HzToS.m, @unit/char.m,
@unit/display.m, @unit/eq.m, @unit/factor.m, @unit/mpower.m,
@unit/mrdivide.m, @unit/mtimes.m, @unit/ne.m, @unit/plus.m,
@unit/power.m, @unit/rdivide.m, @unit/sToHz.m, @unit/setVals.m,
@unit/simplify.m, @unit/split.m, @unit/sqrt.m, @unit/string.m,
@unit/times.m, @unit/tolabel.m, @unit/unit.m,
@unit/update_struct.m, @xydata/display.m,
@xydata/update_struct.m, @xydata/xydata.m, @xyzdata/char.m,
@xyzdata/display.m, @xyzdata/update_struct.m, @xyzdata/xyzdata.m:
- Use in the constructors a switch-case instead of if nargin ==
1, elseif nargin == 2, ... because nargin cost time - remove the
HISTORY: part from the header because we capture the history of
the file with cvs. - Replace collect_objects with [varargin{:}]
where it was possible

2011-02-18 17:44 ingo

* @history/rebuild.m, @param/mux.m: [no log message]

2011-02-18 17:13 luigi

* @matrix/linfitsvd.m: revised output model assignement

2011-02-18 17:10 luigi

* @matrix/linfitsvd.m: now the model is assigned pest creation is
revised

2011-02-18 17:09 luigi

* @matrix/linlsqsvd.m: the mdoel now is assigned revised the naming

2011-02-18 17:09 luigi

* @pest/eval.m: added the possibility of handling models in the
form of aos and matrix

2011-02-18 17:07 luigi

* @ao/linlsqsvd.m: changed the way the model is assigned the naming
is a littel fixed

2011-02-18 07:53 mauro

* @ao/: cov.m, mean.m, median.m, mode.m, norm.m, std.m, sum.m,
var.m: Use the call to utils.helper.callerIsMethod to control: -
the adding of history when building objects - the call to the
minfo constructor - the building of the default plist

2011-02-17 22:08 mauro

* @ao/mtimes.m: Use the call to utils.helper.callerIsMethod to
control: - the adding of history when building objects - the call
to the minfo constructor - the building of the default plist

2011-02-17 22:06 mauro

* @ao/melementOp.m: Help updated

2011-02-17 17:16 luigi

* +utils/@math/: kstest.m, math.m: an utils function to calculate
kolmogorov - smirnov test

2011-02-17 15:34 mauro

* @ao/: atan2.m, hypot.m, mpower.m, power.m: 1) Added a call to
utils.helper.callerIsMethod which we can use to control: - the
adding of history when building objects - the call to the minfo

```
        constructor 2) Help fixed 3) Code harmonization

2011-02-17 15:34  mauro

      * @ao/applyoperator.m: Accepts now the input flag callerIsMethod to
        enable a lighter execution (no history setting, no names, ...)

2011-02-17 15:23  ingo

      * @specwin/: char.m, string.m, plot.m, display.m: Using
        [varargin{:}]; instead of the method collect_objects.

2011-02-17 15:21  ingo

      * @specwin/plot.m: bug fix: Plot for a window with not a specifies
        window length a default length of 100.

2011-02-17 15:20  ingo

      * @specwin/specwin.m: Remove the properties and methods from the
        header.

2011-02-17 15:19  ingo

      * @specwin/: win_bartlett.m, win_bh92.m, win_fthp.m, win_ftni.m,
        win_ftsrs.m, win_hamming.m, win_hanning.m, win_hft116d.m,
        win_hft144d.m, win_hft169d.m, win_hft196d.m, win_hft223d.m,
        win_hft248d.m, win_hft70.m, win_hft90d.m, win_hft95.m,
        win_nuttall3.m, win_nuttall3a.m, win_nuttall3b.m, win_nuttall4.m,
        win_nuttall4a.m, win_nuttall4b.m, win_nuttall4c.m,
        win_rectangular.m, win_sft3f.m, win_sft3m.m, win_sft4f.m,
        win_sft4m.m, win_sft5f.m, win_sft5m.m, win_welch.m: Adapt
        function name because the m-file name have only lower letters.

2011-02-17 15:17  ingo

      * +utils/@helper/objdisp.m: Add special case for empty arrays.

2011-02-17 12:37  mauro

      * @cdata/applyoperator.m: Code harmonizd with data2D/applyoperator

2011-02-17 12:25  miquel

      * @smodel/smodel.m: Added a rule for the trans filed. This field
        comes always as a string now.  I needed this to commit my pest
        objs to the repository (because they contain an smodel in the
        model field) The rule can be discussed and extended during next
        meeting changes in the code by Ingo

2011-02-17 12:24  mauro

      * @data2D/applyoperator.m: Code efficiency improved by avoiding to
        make copies of the vectors Extended the dimensional checks to all
        callers, not only power

2011-02-17 12:10  mauro

      * @ao/applyoperator.m: Cosmetic changes

2011-02-17 12:09  mauro

      * @cdata/applyoperator.m: Help and internal messages fixed

2011-02-17 11:46  miquel

      * @matrix/mcmc.m: setName corrected

2011-02-17 10:17  mauro

      * @ao/: abs.m, acos.m, angle.m, asin.m, atan.m, conj.m, cos.m,
        det.m, diag.m, eig.m, exp.m, imag.m, inv.m, ln.m, log.m, log10.m,
```

```
        phase.m, real.m, round.m, sign.m, sin.m, sqrt.m, svd.m, tan.m,
        uminus.m, unwrap.m: 1) Added a call to
        utils.helper.callerIsMethod which we can use to control: - the
        adding of history when building objects - the call to the minfo
        constructor 2) Help fixed 3) Code harmonization

2011-02-17 10:16  mauro

      * @ao/applymethod.m: Added a call to utils.helper.callerIsMethod
        which we can use to control: - the adding of history when
        building objects - the call to the minfo constructor

2011-02-16 15:16  miquel

      * @matrix/crb.m: Noise enters via plist.  Changed names of plist
        fields Accepts matrix models with aliases

2011-02-16 15:12  congedo

      * @ao/tdfit.m, @matrix/tdfit.m: small changes

2011-02-16 12:14  miquel

      * @matrix/mcmc.m: big fix

2011-02-16 10:45  miquel

      * @matrix/mcmc.m: 1) handles smodels with aliases 2) input signals
        must be entered via plist 3) homogeneizing plist fields names:
        params -> FitParams

2011-02-16 10:30  miquel

      * @smodel/assignalias.m: bug fix

2011-02-15 17:32  luigi

      * @smodel/smodel.m: added rules for aliasNames and aliasValues

2011-02-15 17:02  luigi

      * @matrix/linfitsvd.m: added a very naive way of forcing boundaries
        to parameters

2011-02-15 15:24  luigi

      * +utils/@helper/helper.m: added [mu,sigma] = CPUbenchmark static
        methods must be declared in order to be used

2011-02-15 10:59  ingo

      * @ltpda_uo/save.m: Make sure that all objects have a UUID. This
        should only happen for PLISTs.

2011-02-15 10:48  ingo

      * @ltpda_uo/update.m: - Use for the created time of PLISTs the
        current time - Set for PLISTs the UUID if the field is empty.

2011-02-15 10:33  ingo

      * @stattest/stattest.m: Set the access level of the methods
        'fromDom' from private to protected.

2011-02-15 10:12  ingo

      * @history/fromDom.m: Bug fix. The attribute 'creator' doesn't
        exist for XML files which are saved with LTPDA 2.3.1. In this
        case is it necessary to get the creator from the plistUsed

2011-02-15 07:33  mauro
```

```
      * @ao/: mrdivide.m, rdivide.m, times.m: Use the call to
        utils.helper.callerIsMethod also to control: - the adding of
        history when building objects - the call to the minfo constructor
        - the building of the default plist

2011-02-15 07:14  mauro

      * @ao/: minus.m, plus.m: Use the call to
        utils.helper.callerIsMethod also to control: - the adding of
        history when building objects - the call to the minfo constructor
        - the building of the default plist

2011-02-15 07:07  mauro

      * @ao/: and.m, or.m: 1) Added a call to utils.helper.callerIsMethod
        which we can use to control: - the adding of history when
        building objects - the call to the minfo constructor 2) Help
        fixed 3) Code harmonization

2011-02-15 06:59  mauro

      * @ao/split.m: Added a call to utils.helper.callerIsMethod which we
        can use to control the adding of history when building objects

2011-02-14 20:33  ingo

      * @ao/angle.m, @ao/fftfilt_core.m, @ao/ifft_core.m,
        @ao/integrate.m, @ao/ltp_ifo2acc.m, @ao/mdc1_ifo2acc_fd.m,
        @ao/phase.m, @matrix/fftfilt.m, @matrix/fromValues.m,
        @pest/find.m, @ssm/bode.m, @ssm/bodecst.m, @ssm/kalman.m,
        @ssm/resp.m, @ssm/respcst.m, @ssm/simulate.m: - remove the
        'internal' part from the methods: setYunits because now we use in
        this method the new feature: utils.helper.callerIsMethod

2011-02-14 20:30  ingo

      * @smodel/attachToDom.m: - add the property 'trans' to the DOM
        nodes.

2011-02-14 20:29  ingo

      * @plist/fromRepository.m: Remove the part which sets the 'creator'
        because this property doesn't exist any more.

2011-02-14 20:28  ingo

      * @param/attachToDom.m: add the 'desc' of a parameter to DOM

2011-02-14 20:27  ingo

      * @ltpda_uoh/fromDom.m: - new version of fromDom which calls the
        super-class.      - it gets the child nodes with xpath - easier to
        maintain - cost ca 8-10% more time

2011-02-14 20:27  ingo

      * @ltpda_uo/submit.m: - Set for PLISTs the UUID before uploading.
        - The PLISTs don't have any created-time because we have deleted
        the property 'created' --> use instead the current time.

2011-02-14 20:26  ingo

      * @history/attachToDom.m: attach the new property 'creator'

2011-02-14 20:25  ingo

      * @cdata/attachToDom.m, @cdata/cdata.m, @cdata/copy.m,
        @cdata/fromStruct.m, @data2D/copy.m, @data2D/data2D.m,
        @data2D/fromStruct.m, @ltpda_data/attachToDom.m,
        @ltpda_data/copy.m, @ltpda_data/fromStruct.m,
        @ltpda_data/getDy.m, @ltpda_data/getY.m,
        @ltpda_data/ltpda_data.m, @ltpda_data/setDy.m,
```

@ltpda_data/setY.m, @ltpda_data/setYunits.m: - moved the
proeprties 'y', 'dy' and 'yunits' to the ltpda_data class.

2011-02-14 20:23 ingo

* @ao/fromDom.m, @cdata/fromDom.m, @collection/fromDom.m,
@data2D/fromDom.m, @data3D/fromDom.m, @filterbank/fromDom.m,
@fsdata/fromDom.m, @history/fromDom.m, @ltpda_data/fromDom.m,
@ltpda_filter/fromDom.m, @ltpda_nuo/fromDom.m,
@ltpda_obj/fromDom.m, @ltpda_tf/fromDom.m, @ltpda_uo/fromDom.m,
@matrix/fromDom.m, @mfir/fromDom.m, @miir/fromDom.m,
@minfo/fromDom.m, @param/fromDom.m, @parfrac/fromDom.m,
@pest/fromDom.m, @plist/fromDom.m, @provenance/fromDom.m,
@pz/fromDom.m, @pzmodel/fromDom.m, @rational/fromDom.m,
@smodel/fromDom.m, @specwin/fromDom.m, @ssm/fromDom.m,
@ssmblock/fromDom.m, @ssmport/fromDom.m, @time/fromDom.m,
@timespan/fromDom.m, @tsdata/fromDom.m, @unit/fromDom.m,
@xydata/fromDom.m, @xyzdata/fromDom.m: - new version of fromDom
which calls the super-class.   - it gets the child nodes with
xpath - easier to maintain - cost ca 8-10% more time

2011-02-14 20:20 ingo

* @fsdata/fsdata.m, @history/history.m, @minfo/minfo.m,
@param/param.m, @plist/plist.m, @provenance/provenance.m,
@pz/pz.m, @specwin/specwin.m, @ssmblock/ssmblock.m,
@ssmport/ssmport.m, @time/time.m, @tsdata/tsdata.m, @unit/unit.m,
@xydata/xydata.m, @xyzdata/xyzdata.m: Set the access level of the
methods 'fromDom' from private to protected.

2011-02-14 20:17 ingo

* @data3D/data3D.m, @ltpda_filter/ltpda_filter.m,
@ltpda_nuo/ltpda_nuo.m, @ltpda_obj/ltpda_obj.m,
@ltpda_tf/ltpda_tf.m, @ltpda_uo/ltpda_uo.m,
@ltpda_uoh/ltpda_uoh.m: - add propotype with protected access
varargout = fromDom(varargin)

2011-02-14 20:13 ingo

* @ao/ao.m, @collection/collection.m, @filterbank/filterbank.m,
@mfir/mfir.m, @miir/miir.m, @parfrac/parfrac.m, @pest/pest.m,
@pzmodel/pzmodel.m, @rational/rational.m, @smodel/smodel.m,
@ssm/ssm.m, @timespan/timespan.m: 1. remove the updating of the
UUID in the initObjectWithSize because we set the UUID only in
'addHistory' 2. Set the access level of the methods 'fromDom'
from private to protected.

2011-02-14 20:10 ingo

* @matrix/matrix.m: 1. remove the updating of the UUID in the
initObjectWithSize because we set the UUID only in 'addHistory'
2. Set the access level of the methods 'fromDom' from private to
protected.

2011-02-14 17:33 mauro

* +utils/@helper/callerIsMethod.m: Updated to work also on PC; the
regexp was failing with the previous syntax Comments fixed
Removed dead code

2011-02-14 17:09 luigi

* +utils/@math/: cdfplot.m, math.m, ppplot.m, qqplot.m: extended to
work also with normal and chi2 distribution functions

2011-02-14 17:08 luigi

* +utils/@math/: Chi2cdf.m, Chi2inv.m, Normcdf.m, Norminv.m: utils
to calculate cumulative and inverse cumulative normal and chi2
distribution functions

2011-02-14 15:57 ingo

	* @ltpda_uoh/creator.m: bug fix: We have forgotten to adapt the
	  recursive part to the new position of the creator object. Now it
	  is stored in the history object.

2011-02-14 15:57 ingo

	* @ltpda_uoh/ltpda_uoh.m: remove prototype of fromDom

2011-02-14 14:32 mauro

	* @smodel/: laplace.m, ztrans.m, diff.m, fourier.m, ifourier.m,
	  ilaplace.m, iztrans.m, simplify.m: Internal comments fixed

2011-02-14 14:32 mauro

	* @smodel/times.m: Help updated

2011-02-14 14:20 ingo

	* @matrix/fromInput.m: bug fix: The methods set the wrong shape to
	  the plist.

2011-02-14 12:55 ingo

	* @ltpda_uoh/ltpda_uoh.m: bug fix: We have forgotten to adapt the
	  recursive part to the new position of the creator object. Now it
	  is stored in the history object.

2011-02-14 12:29 congedo

	* @pest/combineExps.m: updated to handle the combination of
	  different parameter sets

2011-02-14 10:50 mauro

	* @ao/elementOp.m: Bug fixed for the case of the call in the form
	  aaa = plus(a1, a2, a3) Help updated

2011-02-14 10:49 mauro

	* @ao/fromVals.m: Help updated and clarified

2011-02-14 10:44 luigi

	* @matrix/linfitsvd.m: added the option to set alias internally.
	  default is false

2011-02-13 21:55 luigi

	* +utils/@math/boxplot.m: added the possibility to plot full data
	  or only the data out of confidence level

2011-02-13 20:49 luigi

	* +utils/@math/: boxplot.m, math.m: bug fixed. Now used can input
	  different length datasets Added help

2011-02-13 20:07 luigi

	* +utils/@math/: boxplot.m, math.m: an util to make box plot of
	  data

2011-02-13 16:19 luigi

	* +utils/@math/: cdfplot.m, ppplot.m, qqplot.m: bug fixed in the
	  default paraameters

2011-02-11 21:20 luigi

	* @matrix/linfitsvd.m: updated to handle aliases

2011-02-11 21:00 luigi

	* @smodel/: assignalias.m, smodel.m: a method to assign values to
	  the alias before the fit machinery and fftfilt

2011-02-11 20:59 luigi

	* @smodel/: copy.m, double.m, elementOp.m: methods updated to
	  handle aliases

2011-02-11 18:13 congedo

	* @ao/tdfit.m: performance optimization completed: now it goes
	  faster of a factor 2

2011-02-11 16:24 hewitson

	* +utils/@helper/callerIsMethod.m: Another exception for the
	  callerIsMethod tool. ao/compute is also a transparent method
	  which doesn't add history but expects the inner calculations to
	  do so.

2011-02-11 16:15 congedo

	* @ao/tdfit.m, @matrix/tdfit.m: minor changes (default plist and
	  help).

2011-02-11 16:04 hewitson

	* @ao/applyoperator.m: Simplify the call to the underlying
	  data/applyoperator.

2011-02-11 16:01 hewitson

	* @ao/: elementOp.m, melementOp.m: Bug fix. Better handle the
	  promoting of numbers to AOs to allow the callerIsMethod stuff to
	  work. Instead of using the AO constructor, we use fromVals
	  directly overriding the callerIsMethod flag.

2011-02-11 15:20 hewitson

	* @data2D/applyoperator.m: Go back to the old version because I
	  broke it.

2011-02-11 14:51 hewitson

	* @history/history.m: Bug fix. The setting of the UUID got
	  commented out somehow.

2011-02-11 14:37 hewitson

	* @plist/fromStruct.m: Don't try to set the creator and created
	  files.

2011-02-11 14:31 hewitson

	* @ao/melementOp.m: Bug fix. We passed in the callerIsMethod flag
	  but didn't change the input indexing.

2011-02-11 14:22 hewitson

	* @ltpda_uoh/addHistory.m: Remove the pause(0.001). The requirement
	  still applies, but we handle it differently. Now we store the
	  last processing time as a persistent variable and check that it
	  has changed between adding history steps. In practice this is
	  always true because the preceeding steps in addHistory anyway
	  take more than 1ms at the moment.

2011-02-11 13:51 hewitson

	* +utils/@helper/callerIsMethod.m: The latest version which we

```
        think is working fine.

2011-02-11 13:50  hewitson

      * @ao/char.m, @ltpda_obj/isprop.m: Make use of the callerIsMethod
        flag.

2011-02-11 13:49  hewitson

      * @ao/setYunits.m: Remove the old 'internal' call and instead deal
        with the callerIsMethod flag.

2011-02-11 13:48  hewitson

      * @ao/: and.m, minus.m, mrdivide.m, mtimes.m, or.m, plus.m,
        rdivide.m, times.m: Make use of the callerIsMethod flag passed
        from the operators.

2011-02-11 13:44  hewitson

      * @plist/: fromDom.m, fromFile.m: Remove the creator and created
        properties.

2011-02-11 13:41  hewitson

      * @plist/attachToDom.m: Remove the saving of the creator and
        created properties.

2011-02-11 13:37  hewitson

      * @plist/copy.m: Remove the copying of the newly removed creator
        and created fields.

2011-02-11 13:36  hewitson

      * @ltpda_uoh/creator.m: Now we get the creator directly from the
        history object instead of from the last plist. We removed creator
        from plist to make it much lighter.

2011-02-11 13:35  hewitson

      * @matrix/fromValues.m: Make use of the callerIsMethod flag passed
        from the constructor.

2011-02-11 13:34  hewitson

      * @matrix/: mtimes.m, inv.m: Make use of the callerIsMethod.

2011-02-11 13:33  hewitson

      * @matrix/: times.m, rdivide.m, plus.m, minus.m: Make use of the
        callerIsMethod and pass it to elementOp.

2011-02-11 13:32  hewitson

      * @ao/elementOp.m: Make use of the callerIsMethod flag passed from
        the operators.

2011-02-11 13:30  hewitson

      * @ao/fromVals.m: Make use of the callerIsMethod flag passed from
        the constructor.

2011-02-11 13:30  hewitson

      * @matrix/elementOp.m: 1) Use callerIsMethod flag passed from the
        operators to control adding history or not

        2) Remove check on the method since MATLAB will soon tell us if
        there isn't one and ismethod is expensive.

2011-02-11 13:28  hewitson
```

```
      * @ltpda_uoh/addHistory.m: Before an object is added in to a
        history tree, it get's its UUID set and the same UUID is passed
        to the history node which is then used in the displaying of
        history trees.

2011-02-11 13:27  hewitson

      * @matrix/fromInput.m: Make use of the callerIsMethod flag passed
        from the constructor.

2011-02-11 13:26  hewitson

      * @matrix/matrix.m: 1) use the callerIsMethod to control what
        fromValues and fromInput does with history.

        2) Don't set UUID.

2011-02-11 13:25  luigi

      * +utils/@math/cdfplot.m: changed a parameetr name to be more
        general

2011-02-11 13:25  luigi

      * +utils/@math/: math.m, ppplot.m, qqplot.m: utils mothods for
        qqplot and ppplot

2011-02-11 13:08  hewitson

      * @matrix/det.m: 1) Use the new callerIsMethod() routine to speed
        things up.

        2) Don't copy the inner objects since they always get used in
        expressions with an output.

2011-02-11 13:04  hewitson

      * @history/history.m: 1) Added new property creator which is set
        when a history object is created.

        2) Don't set UUID when creating a history object. It will be set
        when the history object is added to a history tree.

2011-02-11 12:49  hewitson

      * @ltpda_uo/copy.m: We don't set the UUID. It will be set when
        needed.

2011-02-11 12:46  hewitson

      * @ltpda_uo/ltpda_uo.m: Don't set the UUID. It will be set when
        needed.

2011-02-11 12:46  hewitson

      * @plist/: setCreated.m, setCreator.m: Since we removed the created
        and creator properties, we don't need the setters.

2011-02-11 12:45  hewitson

      * @plist/plist.m: 1) Removed created. This will be set in the
        history class when we add history, and retrieved from there by
        the created() method.

        2) Removed creator. This will be set in the history constructor
        now. The creator() method retrieves it from the first history
        step. That means objects with no history have no creator.

        3) Removed setting of the created property.

        4) Don't set UUID in initObjectWithSize.
```

```
        5) Removed declaration of created and creator setter methods.

2011-02-11 12:43  hewitson

      * @ao/ao.m: 1) Changed verbose level output to PROC3 for
        constructor message 2) Added a call to
        utils.helper.callerIsMethod which we can use to control the
        adding of history when building objects.  3) the callerIsMethod
        flag is passed to fromVals() 4) remove setting the UUID in
        initObjectWithSize - UUIDs will only be set when 'exporting'
        objects out of the current MATLAB through save, submit etc.

2011-02-11 11:21  hewitson

      * @smodel/smodel.m: Added two new experimental fields for aliases.

2011-02-11 10:49  miquel

      * @matrix/mcmc.m: make a copy of the input model as well

2011-02-10 18:06  luigi

      * +utils/@math/: cdfplot.m, math.m: an utils for cumulative
        distribution plot

2011-02-10 17:42  congedo

      * @matrix/tdfit.m: cleaned unused line

2011-02-10 17:41  congedo

      * @pest/tdChi2.m: updated to use MATRIX and COLLECTION

2011-02-10 17:09  marc1

      * +utils/@math/loglikehood_ssm.m: little bug fixed when comparing
        number of inputs (1st case)

2011-02-10 17:06  ingo

      * +utils/@plottools/restoreDefaultPlotSettings.m: Now, I know what
        different was in my last submit. I have removed a semicolon ->
        adding the semicolon

2011-02-10 17:01  marc1

      * +utils/@math/loglikehood_matrix.m, @matrix/crb.m, @matrix/mcmc.m:
        adding processing for the magnetic experiments with mcmc
        (implemented as a different case, the 2 inputs / 2 ouputs script
        has not been touched, so no scripts must be broken). Cleaning of
        commented lines.

2011-02-10 17:00  ingo

      * +utils/@plottools/restoreDefaultPlotSettings.m: I don't know what
        is different but my cvs-program means it is different?

2011-02-10 17:00  marc1

      * +utils/@math/loglikehood_ssm.m: cleaning the function (and final
        'end' deleted as it was not necessary).

2011-02-10 16:59  anneke

      * @ltpda_uoh/index.m: commented the naming the AO. Now the index is
        stored in the history of the AO but it is not included in the
        name of the AO anymore.

2011-02-10 14:50  hewitson

      * +utils/@helper/callerIsMethod.m, @matrix/elementOp.m: Bug fixes
```

to the new method detector and use it in matrix/elementOp and ao/elementOp

2011-02-10 13:49 hewitson

* +utils/@helper/callerIsMethod.m: Bug fixes: in the case that this method is being called from a sub-function, we have to climb the stack until we get out of the calling file. Also, if we are using rebuild() then we always need to add the history.

2011-02-10 13:22 ingo

* +utils/@xml/: getChildByName.m, getChildrenByName.m, xml.m: Add two new methods which gets a child from a node with using xpath.

2011-02-10 13:19 congedo

* @matrix/tdfit.m: polished.

2011-02-10 13:00 hewitson

* @data3D/: applyoperator.m, plus.m: The beginnings of operations for data3D objects.

2011-02-10 12:59 hewitson

* @data3D/data3D.m: Added the dz field.

2011-02-10 12:59 hewitson

* @data2D/plus.m: Added plus for data2D object. See earlier commit about cdata/plus.

2011-02-10 12:57 hewitson

* @cdata/: minus.m, plus.m, rdivide.m, times.m: Started to implement operators at the data class level. This is a much cleaner separation of responsibilities. Currently this is not used. To be discussed.

2011-02-10 12:56 hewitson

* @cdata/applyoperator.m, @data2D/applyoperator.m: Removed a lot of unnecessary code. I think this is ok since we always call this with only applyoperator(d1,d2,op).

2011-02-10 12:55 hewitson

* @ao/elementOp.m: Now uses the new callerIsMethod trick to skip setting the name and adding the history when it's not necessary.

2011-02-10 12:33 congedo

* @matrix/tdfit.m: MATRIX version of ao\tdfit.

2011-02-10 12:05 hewitson

* +utils/@helper/callerIsMethod.m: Removed debug output.

2011-02-10 11:59 hewitson

* +utils/@helper/callerIsMethod.m: Slightly optimised version.

2011-02-09 16:47 hewitson

* @ao/iplot.m: Added an option for xyz plot to stop inverting the y axis.

2011-02-09 16:45 hewitson

* @ao/bicohere.m: A first version of a bicoherence method.

2011-02-09 12:37 congedo

	* @ao/: tdfit.m, xfit.m: corrected the way to compute dof for
	  multichannel. small bug fixed.

2011-02-09 12:21 luigi

	* @smodel/double.m: some cleanup. removed commented lines

2011-02-09 11:42 luigi

	* @smodel/double.m: using assignin command to assign the value of
	  the parameters in the workspace. This new instruction is more
	  effective that the combination of sprintf and eval

2011-02-09 11:26 congedo

	* @pest/tdChi2.m: pest method to compute the chi-square in
	  time-domain, provided the measured outputs, inputs, models and
	  whitening filters. it is important as the unique statistical
	  estimator to compare parameter estimates from different methods.

2011-02-09 10:57 mauro

	* @matrix/det.m: Updated this simple test to demonstrate
	  functionality of the helper.callerIsMethod utility. Will be
	  updated soon.

2011-02-09 10:55 mauro

	* +utils/@helper/: handleHistory.m, helper.m: Removing
	  handleHistory.m to use a more general callerIsMethod.m

2011-02-09 10:54 mauro

	* +utils/@helper/callerIsMethod.m: A test of an idea. When inserted
	  in a function/method/script, this utility returns true if the
	  caller was a method of an LTPDA class. The usage of the output
	  informations is left to the function where this is included.

2011-02-09 09:39 mauro

	* +utils/@helper/handleHistory.m: Code fixed to work also on Win
	  Help added A couple of TODO with ideas added

2011-02-09 09:22 mauro

	* @matrix/det.m: A simple test to demonstrate functionality of the
	  helper.handleHistory utility. Will be removed soon.

2011-02-09 09:21 mauro

	* +utils/@helper/: handleHistory.m, helper.m: A test of an idea.
	  When inserted in a function/method/script, this utility returns
	  true if the caller was a method of an LTPDA class. As the ame
	  suggests, it could be for instance used to delegate the handling
	  of expensive tasks like assigning the history etc only to the
	  highest level method in a call.

2011-02-08 16:18 mauro

	* @matrix/det.m: Reset the name and history of the internal
	  objects. This is hopefully only a temporary workaround to make
	  the output object lighter. A more global approach is needed ...

2011-02-08 16:14 mauro

	* @matrix/elementOp.m: Support: - aos (that might have xunits, in
	  the data field) - smodels (that have xunits)

2011-02-08 11:35 ingo

```
      * @LTPDAprefs/cb_plotPrefsChanged.m: Make the switch case
        independent from upper/lower case

2011-02-08 10:00  mauro

      * @ltpda_uoh/viewHistory.m: Arguable: support (issueing a dedicated
        warning) for the case where the history of the object was
        cleared.

2011-02-08 09:54  mauro

      * @ltpda_uoh/viewHistory.m: This method shows the history of the
        object. This should be true also for ssm objects.  The 'blocks'
        view method for ssm is now implemetend in ssm/dotview

2011-02-08 07:47  ingo

      * @data3D/getZ.m: modify this method is such case that it is
        possible to access the z-array with two indices.

2011-02-08 07:38  ingo

      * @ao/z.m: new method

2011-02-08 07:15  ingo

      * @LTPDAprefs/cb_plotPrefsChanged.m: - Stores the plot settings if
        the user change to 'apply to all figures' - Recovers the settings
        if the user doesn't want to apply to all figures.

2011-02-08 07:12  ingo

      * +utils/@plottools/: backupDefaultPlotSettings.m, plottools.m,
        restoreDefaultPlotSettings.m: Add two new methods - stores the
        current plot settings in the application data.  - recovers the
        stored plot settings from the application data.

2011-02-08 06:54  ingo

      * @LTPDAprefs/cb_plotPrefsChanged.m: restore MATLAB's default plot
        settings if the user choose: 'Apply plot settings only to iplot'
        or 'none'

2011-02-07 17:55  ingo

      * @LTPDAprefs/LTPDAprefs.m: adaptation to java changes.

2011-02-07 17:54  ingo

      * @LTPDAprefs/cb_plotPrefsChanged.m: apply the plot settings only
        to MATLAB default plot settings if the use choose: 'apply plot
        settings for all figures'

2011-02-07 17:53  ingo

      * @ao/iplot.m: apply the plot settings only if the user have
        selected: 'apply plot settings only for iplot'

2011-02-07 14:32  ingo

      * @LTPDAprefs/cb_plotPrefsChanged.m: add new preferences

2011-02-07 14:31  ingo

      * @LTPDAprefs/: cb_removeExtensionPath.m, cb_removeModelPath.m:
        remove all selected paths instead only the first path

2011-02-04 19:31  luigi

      * @matrix/filter.m: changed the error message

2011-02-04 19:29  luigi
```

```
      * @ao/fftfilt_core.m: added the possibility to handle collections
        and aos in order to support the latest changes on
        matrix/linfitsvd

2011-02-04 19:28  luigi

      * @matrix/linfitsvd.m: introduced the possibility to avoid time
        domain filtering for the whitening process.  The whitening is
        incorporated in the fftfilt process. The only limitation is that
        the wf matrix is assumed diagonal

2011-02-04 18:59  congedo

      * @ao/tdfit.m: improving performances

2011-02-04 18:42  luigi

      * @ao/fft_core.m: some cleanup. removed commented lines

2011-02-04 17:11  congedo

      * @ao/tdfit.m: allowed for selecting which parameters to fit and
        concatenate all parameter lists

2011-02-04 16:50  congedo

      * @pest/combineExps.m: updated to deal with the most general case
        when we want to combine two or more 'pest's with different
        parameter sets (partially overlapping). information matrices are
        reshuffled/sorted to match all the same size and parameter order.
        also the new dofs are calculated.

2011-02-04 15:04  hewitson

      * +utils/@helper/objdisp.m: Some small changes. Firstly we avoid
        huge long lines of numbers. The length may be discussed.

2011-02-04 15:03  hewitson

      * @ao/fromGEOserver.m: Getting data from a GEO server requires the
        new GEO LTPDA Module and as such needs to use the tools from
        there.

2011-02-04 15:02  hewitson

      * +utils/@modules/: README_class_tests.txt, README_classes.txt,
        README_functions.txt, README_jar.txt, README_model_tests.txt,
        README_models.txt, README_pipelines.txt, README_tests.txt:
        Template README files for the module builder.

2011-02-04 12:13  luigi

      * @ao/fft_core.m: frequency vector is now calculated by
        utils.math.getfftfreq

2011-02-04 12:11  luigi

      * +utils/@math/: getfftfreq.m, math.m: a methdo which calculate
        frequency vector for fft

2011-02-04 11:55  luigi

      * @parfrac/respCore.m: bug fixed: response must keep the shape of
        the input frequency vector

2011-02-03 17:18  marc1

      * @ssm/modelHelper_declareParameters.m: bug fixed in order to
        enable the possibility of building symbolic parameters with
        'symbolic params', equals to 'all', there was a bug that
        apparently did not do the comparison of strings correclty
```

2011-02-03 16:43 luigi

	* +utils/@math/: math.m, mtxiirresp.m, mtxiirresp2.m,
	  mtxratresp2.m: some utils for fast calculation of tf response

2011-02-03 16:29 marc1

	* +utils/@math/loglikehood_ssm.m, @matrix/mcmc.m: function
	  debugged, now ready to perform fast MCMC with SSM, roughly
	  estimated each loop is done in 0.25s in my machine

2011-02-03 16:09 luigi

	* +utils/@math/pfresp.m: change the code for the calculation of the
	  resp for parfrac objects in order to have a faster response
	  calculation

2011-02-03 14:46 ingo

	* @LTPDARepositoryManager/LTPDARepositoryManager.m: 'deleteTimer'
	  is not longer a static method now is it a 'normal' class-method
	  -> Adapt the code to this new behaviour.

2011-02-03 14:44 ingo

	* @LTPDARepositoryManager/deleteTimer.m: This method is not longer
	  a static method now it is a 'normal' class method.

2011-02-03 14:44 ingo

	* @LTPDARepositoryManager/startTimer.m: Create also a new timer if
	  the found timer is not longer valid.

2011-02-03 14:34 congedo

	* +utils/@helper/CPUbenchmark.m: CPU benchmark for performance
	  comparisons.

2011-02-03 10:31 hewitson

	* +utils/@modules/buildModule.m: Now installs README files.

2011-02-03 09:44 hewitson

	* +utils/@models/getBuiltinModelSearchPaths.m: Include models from
	  the extension modules.

2011-02-03 09:44 hewitson

	* +utils/@helper/installExtensionsForDir.m: Add the paths to the
	  models.

2011-02-02 20:25 adrien

	* @ssm/blockMatIndex.m, @ssmblock/ssmblock.m: New way of indexing
	  port/blocks. [groupedBlockIndex, groupedPortIndex,
	  groupSize, nGroups, globalPortIndex] =
	  ssmblock.groupIndexes(blockIndex, portIndex); produces grouped
	  index, which are now used when selecting ports in a SSMmatrix/a
	  ssmblock object. With this change the function ssm/reorganize
	  runs ~5 times faster.

2011-02-02 20:23 adrien

	* @ssm/append.m: Outdate call was removed (ssmblock.posBlock) and
	  replaced with new working call

2011-02-02 16:40 ira

	* @ao/: fft.m, ifft.m: Added boolean option "SCALE" to fft.m and
	  ifft.m. When set to TRUE, it scales the output by the sampling

```
        rate of the input timeseries so that the output matches the
        continuous-domain transforms. Default is FALSE.

2011-02-02 12:45  congedo

      * @pest/combineExps.m: 'displayMethodInfo' corrected. small bug
        fixed

2011-02-02 11:55  congedo

      * @ao/: tdfit.m, xfit.m: no message

2011-02-01 16:50  marc1

      * +utils/@math/loglikehood_ssm.m, @matrix/mcmc.m: making the code
        faster inside the mcmc method using new bode scheme. To be
        checked during this week with Miquel.

2011-02-01 15:50  marc1

      * @ssm/bodecst.m: typo corrected

2011-02-01 15:48  ingo

      * @matrix/: fromValues.m, matrix.m: Add three new constructors with
        one new set 'from Values'

        matrix(plist('values', ..., 'names', ..., 'yunits', ...))
        matrix(doubleArray) matrix(doubleArray, cellArray)

2011-02-01 15:11  marc1

      * @ssm/bodecst.m: Usage of the "internal" flag in the same way we
        used it in bode

2011-02-01 15:10  marc1

      * @ssm/doBode.m: cleaning the function

2011-01-31 17:19  luigi

      * @matrix/linfitsvd.m: bug fixed: fit parameters were not updated
        with ssm models

2011-01-31 14:49  hewitson

      * @ssm/bode.m: Some changes to how the internal switch is handled.
        This needs to be checked through as the changes were done on the
        fly in the modelling workshop.

2011-01-27 13:53  ingo

      * @ao/ao.m, @collection/collection.m, @data2D/data2D.m,
        @data3D/data3D.m, @fsdata/fsdata.m, @history/history.m,
        @ltpda_filter/ltpda_filter.m, @ltpda_tf/ltpda_tf.m,
        @ltpda_uo/ltpda_uo.m, @ltpda_uoh/ltpda_uoh.m, @mfir/mfir.m,
        @miir/miir.m, @minfo/minfo.m, @msym/msym.m, @param/param.m,
        @paramValue/paramValue.m, @parfrac/parfrac.m, @pest/pest.m,
        @pz/pz.m, @pzmodel/pzmodel.m, @rational/rational.m,
        @smodel/smodel.m, @specwin/specwin.m, @ssmblock/ssmblock.m,
        @time/time.m, @timespan/timespan.m, @tsdata/tsdata.m,
        @unit/unit.m, @cdata/cdata.m: Removed the outputs of the setter
        because this is not necessary (nor recommended) for handle
        classes.

2011-01-27 10:18  luigi

      * +utils/@helper/installExtensions.m: bug fixed. res must be
        initialized to []

2011-01-27 08:16  hewitson
```

```
      * +utils/@helper/: installExtensions.m, installExtensionsForDir.m:
        Report to the user that a module has been installed. If class
        methods were installed they will be available next time that
        clear all is run.

2011-01-27 08:11  hewitson

      * @ssm/ssm.m: Removed the outputs of the setter because this is not
        necessary (nor recommended) for handle classes.

        Added a new hidden method to clear the numparams field because
        this is private (as it should be) but it is useful to clear it
        when in a tight optimisation loop because it is slow to make a
        copy of it when it contains many parameters (>300 in the LTP
        case).

2011-01-26 13:54  marc1

      * @ssm/: bode.m, doBode.m: changes to make bode faster: math is
        optimized for continuous systems.  problems with copying
        parameters still present discrete systems' math have to be
        optimized still

2011-01-26 10:19  hewitson

      * @ao/double.m: A first (simple) version of a double() method for
        AOs. It just returns the y values so far.

2011-01-26 10:18  hewitson

      * @ssm/blockMatIndex.m: simplification.

2011-01-26 09:09  hewitson

      * @ssm/reorganize.m: Don't see any need for the warning. If the
        user uses this, the history is added, so why warn them that they
        shouldn't use it?

2011-01-26 09:06  hewitson

      * @ssm/modifyTimeStep.m: Bug fix to keep supporting the implicit
        plist call:

        s.modifyTimeStep('newtimestep', value)

        We should decide to do this for all methods in the toolbox (where
        possible) or for none.!

2011-01-26 08:52  hewitson

      * @ssm/modifyTimeStep.m: support

        ssm.modifyTimeStep(aValue)

2011-01-26 08:51  hewitson

      * @ssm/blockMatIndex.m: I think this allows us to reorganize
        symbolic models.

2011-01-26 07:44  hewitson

      * +utils/@helper/objdisp.m: Some optimisation.

2011-01-26 07:43  hewitson

      * @ssm/reorganize.m: fixed typo in help.

2011-01-26 07:28  hewitson

      * @ssm/setParameters.m: Removed unnecessary code and added support
        for the 'internal' call. This is now orders of magnitude faster.
```

2011-01-26 07:05 hewitson

	* +utils/@modules/buildModule.m: Bug fix. Better to make the new
	  directories where the user asked for them ;)

2011-01-26 07:05 hewitson

	* @ssm/simulate.m: Fixed the output of simulate so that it returns
	  a matrix object and thus allows the history to be properly
	  handled. This means the following old outputs calls are no longer
	  possible:

	  [out1, out2] = simulate [out1, out2, pl] = simulate

2011-01-24 19:00 ingo

	* @ao/ao.m: Modify the header with the help information.

2011-01-24 18:59 ingo

	* +utils/@helper/objdisp.m: Add the feature to display structures.

2011-01-24 18:59 ingo

	* +utils/@helper/: displayConstructorExamples.m, helper.m: Add new
	  helper function

2011-01-24 11:42 hewitson

	* +utils/@helper/installExtensionsForDir.m: changed to support the
	  new layout of extension modules.

2011-01-24 11:39 hewitson

	* +utils/@modules/: buildModule.m, modules.m: New utilities for
	  handling extension modules.

2011-01-21 18:18 congedo

	* @ao/: tdfit.m, xfit.m: first integration of SSMs

2011-01-19 17:31 ingo

	* +utils/@helper/objdisp.m: - optimize the code - add a display for
	  a MATLAB meta-method-data object.

2011-01-06 11:07 hewitson

	* tests/@ltpda_test_runner/run_test_list.m: Pass the runner to the
	  test case to allow global user configuration to propagate.

2011-01-06 11:06 hewitson

	* tests/@ltpda_test_runner/ltpda_test_runner.m: We add flags that
	  will allow the developer to configure the runner to run only
	  particular tests. We also add a repository plist as global
	  information which can be accessed in the individual test cases
	  which want to use a repository.

2011-01-05 11:46 marc1

	* @ssm/: bode.m, bodecst.m: bode now works for symbolic models. We
	  do a deep copy of the model and we compute the bode response of
	  the "numerized" system. We do not change the state of the
	  original model. For the calculation we use the value of the
	  stored parameters.

2011-01-05 09:52 ingo

	* @ltpda_uo/save.m: bug fix: Use the pwd-path only if the user
	  doesn't specify any path. For example:

```
        test.xml -> Use pwd-path /tmp/test.xml -> don't use the pwd-path

2011-01-04 20:04  ingo

      * tests/models/@ltpda_builtin_model_utp/test_builtin_model_info.m:
        It is necessary to clear the 'sets' and 'plists' if we want to
        compare minfo-objects inside the history.

2011-01-04 20:03  ingo

      * @minfo/copy.m: bug fix: it is also necessary to copy the new
        properties 'description' and 'children'

2011-01-04 19:23  ingo

      * @history/attachToDom.m, @history/fromDom.m, @minfo/attachToDom.m,
        @minfo/fromDom.m: Changes to the new property 'children' of an
        minfo-object.

2011-01-04 19:21  ingo

      * @plist/attachToDom.m: correct code description

2011-01-04 19:20  ingo

      * tests/plotting/plotter/@test_plotter_plotter/test_data.m: bug
        fix.

2011-01-04 19:16  ingo

      * @minfo/minfo.m: make setFromEncodedInfo and getEncodedString as
        hidden

2011-01-04 19:15  ingo

      * @minfo/setFromEncodedInfo.m: Decode the 'description' of an
        minfo-object.

2011-01-04 19:15  ingo

      * @minfo/getEncodedString.m: make some plausibility checks and add
        the description.

2011-01-04 19:14  ingo

      * @minfo/clearSets.m: Clear the 'sets' and 'plists' even from the
        children (recursively)

2011-01-04 19:13  ingo

      * @ltpda_uo/save.m: Use our own XML-write because the MATLAB method
        (writexml) doesn't use an indent at least on my machine.

2011-01-04 13:37  marc1

      * @ssm/bodecst.m: bodecst output only magnitude information and no
        phase was output. Now this is fixed

2011-01-04 10:33  hewitson

      * @ao/iplot.m: Bug fix in setting the x-axis range on fsdata plots.

2010-12-23 13:13  ingo

      * @stattest/stattest.m: Change the access of the function
        fromStruct from 'private' to 'protected'

2010-12-22 20:09  ingo

      * @history/update_struct.m: bug fix: Update the structure field
        'proctime' only if the it doesn't exist.
```

2010-12-22 20:08 ingo

	* @ao/cov.m: bug fix: Propagate the property 'plotinfo'

2010-12-22 18:50 ingo

	* @unit/attachToDom.m: bug fix: Correct the regular expression.

2010-12-22 18:49 ingo

	* +utils/@xml/getObject.m: bug fix: Initialise 'objShape'

2010-12-22 17:40 ingo

	* @plist/eq.m: <!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0//EN"
	  "http://www.w3.org/TR/REC-html40/strict.dtd"> <html><head><meta
	  name="qrichtext" content="1" /><style type="text/css"> p, li {
	  white-space: pre-wrap; } </style></head><body style="
	  font-family:'Sans Serif'; font-size:9pt; font-weight:400;
	  font-style:normal;"> <p style=" margin-top:0px;
	  margin-bottom:0px; margin-left:0px; margin-right:0px;
	  -qt-block-indent:0; text-indent:0px; -qt-user-state:0;">Add
	  additional output if the length of the 'params' objects are not
	  the same.</p></body></html>

2010-12-22 17:15 ingo

	* @ao/: conv.m, join.m, linSubtract.m, lincom.m, lscov.m, lxspec.m,
	  xcorr.m, xspec.m: bug fix: Propagate the property 'plotinfo'

2010-12-22 17:14 ingo

	* @pest/pest.m: Don't copy the smodel in the setter method for the
	  models (set.models) because the loading of a MAT file will set a
	  new UUID to the smodel and this is not what we want.

2010-12-22 17:11 ingo

	* @ssm/update_struct.m: The fromStruc-methods sets always the
	  version number '1.0' if the input structure doesn't have any
	  toolbox version field ('tbxver');

2010-12-20 21:51 ingo

	* @ssm/: fromStruct.m, ssm.m: new behaviour of this function: -
	  This function sets only the properties which are defined in this
	  class - To set the other properties call the fromStruct function
	  the super-class function.

	  - change the access of 'fromStruct' from private to protected.

2010-12-20 21:42 ingo

	* @collection/display.m: Use a helper method to display the inside
	  objects.

2010-12-20 21:41 ingo

	* @ao/ao.m, @ao/fromStruct.m, @cdata/cdata.m, @cdata/fromStruct.m,
	  @collection/collection.m, @collection/fromStruct.m,
	  @data2D/data2D.m, @data2D/fromStruct.m, @data3D/data3D.m,
	  @data3D/fromStruct.m, @filterbank/filterbank.m,
	  @filterbank/fromStruct.m, @fsdata/fromStruct.m, @fsdata/fsdata.m,
	  @history/fromStruct.m, @history/history.m,
	  @history/update_struct.m, @ltpda_data/fromStruct.m,
	  @ltpda_data/ltpda_data.m, @ltpda_filter/fromStruct.m,
	  @ltpda_filter/ltpda_filter.m, @ltpda_nuo/fromStruct.m,
	  @ltpda_nuo/ltpda_nuo.m, @ltpda_obj/fromStruct.m,
	  @ltpda_obj/ltpda_obj.m, @ltpda_tf/fromStruct.m,
	  @ltpda_tf/ltpda_tf.m, @ltpda_uo/fromStruct.m,
	  @ltpda_uo/ltpda_uo.m, @ltpda_uoh/fromStruct.m,
	  @ltpda_uoh/ltpda_uoh.m, @matrix/fromStruct.m, @matrix/matrix.m,

@mfir/fromStruct.m, @mfir/mfir.m, @miir/fromStruct.m,
@miir/miir.m, @minfo/fromStruct.m, @minfo/minfo.m,
@param/fromStruct.m, @param/param.m, @paramValue/fromStruct.m,
@paramValue/paramValue.m, @parfrac/fromStruct.m,
@parfrac/parfrac.m, @pest/fromStruct.m, @pest/pest.m,
@plist/fromStruct.m, @plist/plist.m, @provenance/fromStruct.m,
@provenance/provenance.m, @pz/fromStruct.m, @pz/pz.m,
@pzmodel/fromStruct.m, @pzmodel/pzmodel.m,
@rational/fromStruct.m, @rational/rational.m,
@smodel/fromStruct.m, @smodel/smodel.m, @specwin/fromStruct.m,
@specwin/specwin.m, @specwin/update_struct.m, @ssm/ssm.m,
@ssmblock/fromStruct.m, @ssmblock/ssmblock.m,
@ssmport/fromStruct.m, @ssmport/ssmport.m, @time/fromStruct.m,
@time/time.m, @timespan/fromStruct.m, @tsdata/fromStruct.m,
@tsdata/tsdata.m, @unit/fromStruct.m, @unit/unit.m,
@xydata/fromStruct.m, @xydata/xydata.m, @xyzdata/fromStruct.m,
@xyzdata/xyzdata.m: new behaviour of this function: - This
function sets only the properties which are defined in this class
- To set the other properties call the fromStruct function the
super-class function.

- change the access of 'fromStruct' from private to protected.

2010-12-20 21:35 ingo

* +utils/@helper/: getClassFromStruct.m, getObjectFromStruct.m,
helper.m: new helper methods for the fromStruct methods.

2010-12-20 15:58 ingo

* @ao/elementOp.m: [no log message]

2010-12-20 15:56 ingo

* @ao/elementOp.m: I have add an additional condition for object
compatibility by a mistake.

2010-12-20 13:52 hewitson

* tests/@ltpda_utp/getTestData.m: A useful static method which
returns the testData or an empty object of the correct class.

2010-12-20 13:51 hewitson

* tests/ao/@test_ao_ao/: test_ao_ao.m, test_copy.m,
test_save_load.m: test plan for the AO class.

2010-12-20 13:51 hewitson

* tests/stattest/@test_stattest_stattest/: test_copy.m,
test_save_load.m, test_stattest_stattest.m: Test plan for the new
stattest class.

2010-12-20 13:51 hewitson

* tests/@ltpda_uoh_tests/: ltpda_uoh_tests.m,
test_history_empty_constructor.m, test_history_setName.m,
test_plotinfo.m, test_procinfo.m, test_setPlotinfo.m,
test_setProcinfo.m: Tests for all user-objects with history.

2010-12-20 13:50 hewitson

* tests/@ltpda_uo_tests/: ltpda_uo_tests.m, test_description.m,
test_name.m, test_save_load.m, test_setDescription.m,
test_setName.m, test_setUUID.m, test_string.m, test_uuid.m: Tests
for all user objects.

2010-12-20 13:50 hewitson

* tests/@ltpda_obj_tests/: ltpda_obj_tests.m, test_char.m,
test_copy.m, test_display.m: Tests for all ltpda objects.

2010-12-20 13:50 hewitson

	* @stattest/: attachToDom.m, char.m, copy.m, display.m, fromData.m,
	  fromDom.m, fromStruct.m, generateConstructorPlist.m, loadobj.m,
	  setData.m, stattest.m, update_struct.m: A prototype for a new
	  class for storing statistical tests. There are no methods yet -
	  just the basic container.

2010-12-20 13:49 hewitson

	* tests/ao/@test_ao_abs/test_ao_abs.m: When constructing this test
	  plan we need to set the method name and class name so that the
	  inherited methods will work.

2010-12-20 13:48 hewitson

	* tests/ao/@test_ao_abs/test_vector_input.m: Fix typo.

2010-12-20 13:48 hewitson

	* tests/ao/@ltpda_vector_utp/test_vector_input.m: We can define the
	  full vector test independent of the class or method. Then the
	  subclass can just set the data and, voila.

2010-12-20 13:47 hewitson

	* tests/ao/@ltpda_vector_utp/ltpda_vector_utp.m: Call the
	  superclass constructor.

2010-12-20 13:47 hewitson

	* @smodel/generateConstructorPlist.m: Typo in help.

2010-12-20 13:47 hewitson

	* @ltpda_uoh/: setPlotinfo.m, setProcinfo.m: When we set a plist to
	  the procinfo or plotinfo, we should make a copy of it.

2010-12-20 13:46 hewitson

	* @ltpda_uo/copy.m: I think deep copied objects should get a new
	  UUID.

2010-12-17 18:48 ingo

	* @timespan/: char.m, display.m, double.m,
	  generateConstructorPlist.m, setEndT.m, setStartT.m: Starting to
	  implement persistent default plists. The first call to a method
	  builds the default plist. On subsequent calls, the plist is not
	  built, but just returned. MATLAB stores the built plist in a
	  workspace local to the function

2010-12-17 18:45 ingo

	* @ao/and.m, @ao/conv.m, @ao/det.m, @ao/eig.m, @ao/elementOp.m,
	  @ao/eqmotion.m, @ao/evaluateModel.m, @ao/exp.m, @ao/export.m,
	  @ao/fft.m, @ao/fftfilt.m, @ao/filtSubtract.m, @ao/filter.m,
	  @ao/filtfilt.m, @ao/find.m, @ao/firwhiten.m, @ao/fixfs.m,
	  @ao/fngen.m, @ao/fromProcinfo.m, @ao/fs.m, @ao/gapfilling.m,
	  @ao/gapfillingoptim.m, @ao/ge.m, @ao/generateConstructorPlist.m,
	  @ao/gnuplot.m, @ao/gt.m, @ao/heterodyne.m, @ao/hist.m,
	  @ao/hist_gauss.m, @ao/hypot.m, @ao/ifft.m, @ao/imag.m,
	  @ao/integrate.m, @ao/interp.m, @ao/interpmissing.m,
	  @ao/intersect.m, @ao/inv.m, @ao/iplotyy.m, @ao/lcohere.m,
	  @ao/lcpsd.m, @ao/le.m, @ao/len.m, @ao/lincom.m, @ao/linedetect.m,
	  @ao/lisovfit.m, @ao/ln.m, @ao/log.m, @ao/log10.m, @ao/lpsd.m,
	  @ao/lt.m, @ao/ltfe.m, @ao/ltp_ifo2acc.m, @ao/max.m, @ao/mcmc.m,
	  @ao/md5.m, @ao/mdc1_cont2act_utn.m, @ao/mdc1_ifo2acc_fd.m,
	  @ao/mdc1_ifo2acc_fd_utn.m, @ao/mdc1_ifo2acc_inloop.m,
	  @ao/mdc1_ifo2cont_utn.m, @ao/mdc1_ifo2control.m,
	  @ao/mdc1_x2acc.m, @ao/mean.m, @ao/median.m, @ao/min.m,
	  @ao/minus.m, @ao/mode.m, @ao/mpower.m, @ao/mrdivide.m,

@ao/mtimes.m, @ao/noisegen1D.m, @ao/noisegen2D.m, @ao/norm.m,
@ao/normdist.m, @ao/nsecs.m, @ao/offset.m, @ao/optSubtraction.m,
@ao/or.m, @ao/phase.m, @ao/plot.m, @ao/plus.m, @ao/polyfit.m,
@ao/power.m, @ao/psd.m, @ao/psdconf.m, @ao/pwelch.m,
@ao/quasiSweptSine.m, @ao/rdivide.m, @ao/real.m, @ao/removeVal.m,
@ao/resample.m, @ao/rms.m, @ao/rotate.m, @ao/round.m,
@ao/scale.m, @ao/scatterData.m, @ao/search.m, @ao/select.m,
@ao/setDx.m, @ao/setDy.m, @ao/setFs.m, @ao/setT0.m, @ao/setX.m,
@ao/setXY.m, @ao/setXunits.m, @ao/setY.m, @ao/setYunits.m,
@ao/setZ.m, @ao/sign.m, @ao/simplifyYunits.m, @ao/sin.m,
@ao/sineParams.m, @ao/smallvector_lincom.m, @ao/smallvectorfit.m,
@ao/smoother.m, @ao/sort.m, @ao/spectrogram.m,
@ao/spikecleaning.m, @ao/split.m, @ao/sqrt.m, @ao/std.m,
@ao/straightLineFit.m, @ao/sum.m, @ao/sumjoin.m, @ao/svd.m,
@ao/svd_fit.m, @ao/t0.m, @ao/table.m, @ao/tan.m, @ao/tdfit.m,
@ao/tfe.m, @ao/timeaverage.m, @ao/timedomainfit.m, @ao/times.m,
@ao/timeshift.m, @ao/transpose.m, @ao/uminus.m, @ao/unwrap.m,
@ao/upsample.m, @ao/validate.m, @ao/var.m, @ao/x.m, @ao/xfit.m,
@ao/xunits.m, @ao/y.m, @ao/yunits.m, @collection/addObjects.m,
@collection/char.m, @collection/display.m,
@collection/generateConstructorPlist.m,
@collection/getObjectAtIndex.m, @collection/getObjectsOfClass.m,
@collection/nobjs.m, @collection/removeObjectAtIndex.m,
@collection/setObjectAtIndex.m, @collection/setObjs.m,
@filterbank/addFilters.m, @filterbank/char.m,
@filterbank/display.m, @filterbank/generateConstructorPlist.m,
@filterbank/setIunits.m, @filterbank/setOunits.m,
@ltpda_filter/impresp.m, @ltpda_filter/setA.m,
@ltpda_filter/setHistout.m, @ltpda_obj/eq.m, @ltpda_obj/get.m,
@ltpda_obj/isprop.m, @ltpda_obj/ne.m, @ltpda_tf/resp.m,
@ltpda_tf/setIunits.m, @ltpda_tf/setOunits.m,
@ltpda_tf/simplifyUnits.m, @ltpda_uo/bsubmit.m,
@ltpda_uo/retrieve.m, @ltpda_uo/save.m,
@ltpda_uo/setDescription.m, @ltpda_uo/setMdlfile.m,
@ltpda_uo/setName.m, @ltpda_uo/setUUID.m, @ltpda_uo/submit.m,
@ltpda_uo/update.m, @ltpda_uoh/created.m, @ltpda_uoh/creator.m,
@ltpda_uoh/csvexport.m, @ltpda_uoh/index.m, @ltpda_uoh/rebuild.m,
@ltpda_uoh/report.m, @ltpda_uoh/setDescription.m,
@ltpda_uoh/setMdlfile.m, @ltpda_uoh/setName.m,
@ltpda_uoh/setPlotinfo.m, @ltpda_uoh/setProcinfo.m,
@ltpda_uoh/string.m, @ltpda_uoh/type.m, @ltpda_uoh/viewHistory.m,
@matrix/char.m, @matrix/conj.m, @matrix/crb.m,
@matrix/ctranspose.m, @matrix/det.m, @matrix/display.m,
@matrix/fft.m, @matrix/fftfilt.m, @matrix/filter.m,
@matrix/generateConstructorPlist.m, @matrix/getObjectAtIndex.m,
@matrix/inv.m, @matrix/linearize.m, @matrix/linfitsvd.m,
@matrix/linlsqsvd.m, @matrix/mchNoisegen.m,
@matrix/mchNoisegenFilter.m, @matrix/mcmc.m, @matrix/minus.m,
@matrix/mtimes.m, @matrix/ncols.m, @matrix/nrows.m,
@matrix/osize.m, @matrix/plus.m, @matrix/rdivide.m,
@matrix/rotate.m, @matrix/setObjs.m, @matrix/simplify.m,
@matrix/split.m, @matrix/times.m, @matrix/transpose.m,
@mfir/char.m, @mfir/display.m, @mfir/generateConstructorPlist.m,
@mfir/redesign.m, @mfir/setGd.m, @miir/char.m, @miir/display.m,
@miir/generateConstructorPlist.m, @miir/redesign.m, @miir/setB.m,
@miir/setHistin.m, @parfrac/char.m, @parfrac/display.m,
@parfrac/generateConstructorPlist.m, @parfrac/getlowerFreq.m,
@parfrac/getupperFreq.m, @pest/LTPimperf2physParams.m,
@pest/char.m, @pest/combineExps.m, @pest/display.m, @pest/eval.m,
@pest/find.m, @pest/generateConstructorPlist.m, @pest/setChain.m,
@pest/setChi2.m, @pest/setCorr.m, @pest/setCov.m, @pest/setDof.m,
@pest/setDy.m, @pest/setDyForParameter.m, @pest/setModels.m,
@pest/setNames.m, @pest/setPdf.m, @pest/setY.m,
@pest/setYforParameter.m, @pest/setYunits.m,
@pest/setYunitsForParameter.m, @pzmodel/char.m,
@pzmodel/display.m, @pzmodel/fngen.m,
@pzmodel/generateConstructorPlist.m, @pzmodel/getlowerFreq.m,
@pzmodel/getupperFreq.m, @pzmodel/rdivide.m, @pzmodel/setDelay.m,
@pzmodel/setGain.m, @pzmodel/setPoles.m, @pzmodel/setZeros.m,
@pzmodel/simplify.m, @pzmodel/times.m, @pzmodel/tomfir.m,
@pzmodel/tomiir.m, @rational/char.m, @rational/display.m,
@rational/generateConstructorPlist.m, @rational/getlowerFreq.m,

@rational/getupperFreq.m, @smodel/char.m, @smodel/conj.m,
@smodel/convol_integral.m, @smodel/det.m, @smodel/diff.m,
@smodel/display.m, @smodel/double.m, @smodel/eval.m,
@smodel/fitfunc.m, @smodel/fourier.m,
@smodel/generateConstructorPlist.m, @smodel/hessian.m,
@smodel/ifourier.m, @smodel/ilaplace.m, @smodel/inv.m,
@smodel/iztrans.m, @smodel/laplace.m, @smodel/linearize.m,
@smodel/minus.m, @smodel/mrdivide.m, @smodel/mtimes.m,
@smodel/op.m, @smodel/plus.m, @smodel/rdivide.m,
@smodel/setParams.m, @smodel/setTrans.m, @smodel/setValues.m,
@smodel/setXunits.m, @smodel/setXvals.m, @smodel/setXvar.m,
@smodel/setYunits.m, @smodel/simplify.m, @smodel/simplifyUnits.m,
@smodel/sop.m, @smodel/subs.m, @smodel/sum.m, @smodel/times.m,
@smodel/ztrans.m: Starting to implement persistent default
plists. The first call to a method builds the default plist. On
subsequent calls, the plist is not built, but just returned.
MATLAB stores the built plist in a workspace local to the
function

2010-12-17 16:33 hewitson

* @ao/bin_data.m, @ao/cat.m, @ao/complex.m, @ao/compute.m,
@ao/conv.m, @ao/csvGenerateData.m, @ao/curvefit.m, @ao/dft.m,
@ao/diag.m, @ao/dropduplicates.m, @ao/dsmean.m, @ao/dx.m,
@ao/iplot.m, @ao/join.m, @ao/mcmc_td.m, @ao/whiten1D.m,
@ao/abs.m, @ao/acos.m, @ao/and.m, @ao/angle.m, @ao/ao.m,
@ao/atan2.m, @ao/bilinfit.m, @ao/char.m, @ao/cohere.m,
@ao/confint.m, @ao/conj.m, @ao/consolidate.m, @ao/convert.m,
@ao/cos.m, @ao/cpsd.m, @ao/crbound.m, @ao/ctranspose.m,
@ao/delay.m, @ao/delayEstimate.m, @ao/demux.m, @ao/det.m,
@ao/diff.m, @ao/display.m, @ao/dopplercorr.m, @ao/downsample.m,
@ao/dy.m, @ao/linSubtract.m, @ao/linfit.m, @ao/linlsqsvd.m,
@ao/lscov.m, @ao/sDomainFit.m, @ao/spsd.m, @ao/whiten2D.m,
@ao/x.m, @ao/xcorr.m, @ao/xfit.m, @ao/xunits.m, @ao/y.m,
@ao/yunits.m, @ao/zDomainFit.m, @ao/zeropad.m,
@LTPDAprefs/loadPrefs.m, @ao/asin.m, @ao/atan.m,
@ao/buildWhitener1D.m, @ao/corr.m, @ao/cov.m, @ao/detrend.m,
@ao/getdof.m, @ao/polynomfit.m, @collection/collection.m,
@filterbank/filterbank.m, @ltpda_uo/ltpda_uo.m,
@ltpda_uoh/ltpda_uoh.m, @matrix/matrix.m, @mfir/mfir.m,
@pest/pest.m, @plist/plist.m, @pzmodel/pzmodel.m,
@rational/rational.m, @ssm/ssm.m, @miir/miir.m,
@parfrac/parfrac.m, @smodel/smodel.m, @timespan/timespan.m:
Starting to implement persistent default plists. The first call
to a method builds the default plist. On subsequent calls, the
plist is not built, but just returned. MATLAB stores the built
plist in a workspace local to the function.

2010-12-17 16:32 hewitson

* @LTPDAHelper/: LTPDAHelper.m, cb_guiClosed.m,
generateFunctionList.m, uploadFunctions.m: Starting to build up a
new helper tool to let users browse/search the LTPDA methods and
build commands more easily. Far from finished.

2010-12-17 15:26 hewitson

* @param/display.m: Since this is a non-user object we can make
assumptions about the inputs and avoid the expensive
collect_objects call.

2010-12-17 15:23 hewitson

* +utils/@helper/getHelpPath.m: We can make use of the new
LTPDAROOT stored in the app data.

2010-12-17 15:22 hewitson

* +utils/@helper/: getPublicMethods.m, helper.m: Added a new method
which returns the public methods of an ltpda class and an array
of the info objects. This was factored out of some code from the
workbench library builder. It can also then be called from there.

2010-12-17 15:21 hewitson

	* +utils/@helper/val2str.m: Some rearrangements and optimisations.

2010-12-17 15:21 hewitson

	* +utils/@helper/mat2str.m: Some rearranging of the logic to make
	  it faster.

2010-12-17 15:20 hewitson

	* @minfo/tohtml.m: strcat is slow. Use [] instead. Also we use the
	  new 'internal' call to plist/setName.

2010-12-17 15:19 hewitson

	* @plist/setName.m: Add an 'internal' call which is much faster and
	  assumes a single input plist.

2010-12-17 15:18 hewitson

	* @param/getVal.m: Fixed the help.

2010-12-17 15:15 hewitson

	* @LTPDAworkbench/mpl2jpl.m: Rearrange the cases to make it faster.
	  The most common go to the top.

2010-12-17 07:45 mauro

	* @ao/melementOp.m: Allow multiplication of square matrices with
	  same size

2010-12-16 22:02 ingo

	* tests/@ltpda_utp/ltpda_utp.m: Add some properties to the class.

2010-12-16 22:01 ingo

	* @ltpda_uo/getBuiltInModels.m: Put a try-catch command around the
	  getting of the description of a model. It throws a warning if a
	  model doesn't return a description.

2010-12-15 21:42 ingo

	* tests/models/:
	  @ltpda_builtin_models_ao_utp/ltpda_builtin_models_ao_utp.m,
	  @ltpda_builtin_models_collection_utp/ltpda_builtin_models_collection_utp.m,
	  @ltpda_builtin_models_matrix_utp/ltpda_builtin_models_matrix_utp.m,
	  @ltpda_builtin_models_smodel_utp/ltpda_builtin_models_smodel_utp.m,
	  @ltpda_builtin_models_ssm_utp/ltpda_builtin_models_ssm_utp.m:
	  Create for the model-classes AO, COLLECTION, MATRIX, SMODEL and
	  SSM a own general test class.

2010-12-15 21:41 ingo

	* tests/models/@ltpda_builtin_model_utp/:
	  ltpda_builtin_model_utp.m, test_builtin_model_describe.m,
	  test_builtin_model_doc.m, test_builtin_model_info.m,
	  test_builtin_model_modelOverview.m, test_builtin_model_plist.m,
	  test_builtin_model_plist_version.m, test_builtin_model_version.m,
	  test_builtin_model_versions.m: move the class
	  "ltpda_builtin_model_utp" in a own sub-folder "models"

2010-12-13 11:29 ingo

	* @param/param.m: Add new additional conditions to our 'special'
	  constructor for building a parameter with options.

2010-12-12 09:29 hewitson

```
      * +utils/@helper/ltpda_classes.m, @aoplotter/aoplotter.m,
        @aoplotter/makeAxisLabel.m, @aoplotter/singlePlots.m,
        @plotter/char.m, @plotter/display.m, @plotter/plot.m,
        @plotter/plotter.m: Some more work on the new plotter classes.

2010-12-12 09:27  hewitson

      * tests/plotting/:
        aoplotter/@test_aoplotter_aoplotter/test_aoplotter_aoplotter.m,
        aoplotter/@test_aoplotter_aoplotter/test_data.m,
        aoplotter/@test_aoplotter_singlePlots/test_aoplotter_singlePlots.m,
        plotter/@test_plotter_plotter/test_data.m,
        plotter/@test_plotter_plotter/test_plotter.m,
        plotter/@test_plotter_plotter/test_plotter_plotter.m: Some unit
        tests for the new plotter classes.

2010-12-10 13:14  congedo

      * @pest/combineExps.m: pest method to combine the result of
        different experiments. compute joint covariance, chi2 and dof

2010-12-08 16:46  hewitson

      * @plotter/char.m, @plotter/copy.m, @plotter/display.m,
        @plotter/loadobj.m, @plotter/update_struct.m,
        @aoplotter/aoplotter.m, @plotter/plotter.m,
        @plotterFactory/plotterFactory.m, @tsplotter/tsplotter.m:
        Exploring the idea of plotter classes and subclasses together
        with a plotter factory for creating a suitable plotter. A plotter
        holds a set of objects which it can plot. It also will define
        various properties of the plots (figure, line, axis properties).
        The subclasses of plotter will handle more specialised plot
        commands. To build a plotter, you use the plotterFactory. See the
        test script for examples. This is still a very young idea.

2010-12-07 18:14  luigi

      * @ao/: confint.m, getdof.m: bug fixed in the reading of a plist
        parameter

2010-12-06 20:14  luigi

      * +utils/@math/: Fcdf.m, Finv.m, SKcriticalvalues.m, ecdf.m,
        math.m: some new utils functions for statistical testes

2010-12-06 08:19  hewitson

      * @ltpda_uo/fromModel.m: Bug fix. The static method moved but the
        call still refers to the subclass.

2010-12-04 16:09  hewitson

      * @ltpda_uo/fromModel.m, @ltpda_uo/ltpda_uo.m,
        @ltpda_uoh/fromModel.m: The adding of the history has to be done
        in the subclass.

2010-12-03 18:14  ingo

      * @plist/plist.m: bug fix: copy past error

2010-12-03 18:13  ingo

      * @ao/ao.m, @collection/collection.m, @filterbank/filterbank.m,
        @matrix/matrix.m, @mfir/mfir.m, @miir/miir.m, @parfrac/parfrac.m,
        @pest/pest.m, @plist/plist.m, @pzmodel/pzmodel.m,
        @rational/rational.m, @smodel/smodel.m, @ssm/ssm.m,
        @timespan/timespan.m: Because of the move of the genera lstatic
        method 'getBuiltInModels' to the super class 'ltpda_uo' it is
        necessary to adapt the local getBuiltInModels methods.

2010-12-03 17:59  ingo
```

```
      * @plist/plist.m: Add 'built-in' model constructor

2010-12-03 17:58  ingo

      * +utils/@models/getBuiltinModelSearchPaths.m: bug fix: We have
        changed the location of this method so that we have to adapt the
        LTPDA built-in path-.

2010-12-03 17:50  ingo

      * @ltpda_uoh/ltpda_uoh.m, @ltpda_uoh/getBuiltInModels.m,
        @ltpda_uo/getBuiltInModels.m, @ltpda_uo/ltpda_uo.m: Move the
        static methods for the models to the super-class ltpda_uo

2010-12-03 17:20  ingo

      * @ltpda_uoh/fromModel.m: This 'fromModel' calls the method of the
        super class and then adds the properties from the PLIST. This is
        not possible in the ltpda_uo class because the setProperties
        method exist only in the ltpda_uoh class.

2010-12-03 17:18  ingo

      * @ltpda_uo/fromModel.m: Moved this model from the ltpda_uoh class
        to the ltpda_uo class

2010-12-03 17:17  ingo

      * @ltpda_uo/ltpda_uo.m: Add prototype of the 'fromModel' function

2010-12-03 16:36  ingo

      * @ao/iplot.m: Use the two new plot properties from the
        preferences: legendFontSize      -> Set the font size for the
        legend includeDescription -> Set the description of an object to
        the plot

2010-12-03 16:34  ingo

      * @LTPDAprefs/LTPDAprefs.m: bug fix: I hope this was the last bug
        fix.

2010-12-03 16:05  ingo

      * @LTPDAprefs/LTPDAprefs.m: bug fix

2010-12-03 15:57  ingo

      * @LTPDAprefs/setPreference.m: bug fix: - It is necessary to
        convert the MATLAB values to the corresponding java values - I
        have changed a method name on the java side.

2010-12-03 15:46  ingo

      * @LTPDAprefs/setPreference.m: Set the new plot plotproperties:
        legendFontSize     -> Set the font size for the legend
        includeDescription -> Set the description of an object to the
        plot

2010-12-03 15:46  ingo

      * @LTPDAprefs/LTPDAprefs.m: Add two new plot properties:
        legendFontSize     | Set the font size for the legend
        includeDescription | Set the description of an object to the plot

2010-12-03 14:10  hewitson

      * @ao/iplot.m: Use the axis font size from the preferences as the
        default for the legend font size. A new preference will be added
        soon to allow this font size to be controlled individually.

2010-12-03 11:20  hewitson
```

* @minfo/tohtml.m: If the minfo has a description, display it.

2010-12-03 11:10 hewitson

* +utils/@helper/displayMethodInfo.m: Support passing an minfo
  object directly.

2010-12-03 11:00 hewitson

* +utils/@helper/: installExtensionsForDir.m,
  uninstallExtensionsForDir.m: Better to support packages so that
  we can group functions in classes and avoid namespace problems.

2010-12-03 10:18 hewitson

* @LTPDAprefs/cb_removeExtensionPath.m: Bug fix. The wrong variable
  name was used.

2010-12-03 10:18 hewitson

* +utils/@helper/: installExtensionsForDir.m,
  uninstallExtensionsForDir.m: Now we support a 'functions'
  directory in the extensions module:

  <module>/functions.

  These utilities add and remove this 'functions' directory and all
  subdirectories to/from the MATLAB path.

2010-12-02 13:03 luigi

* @ao/confint.m: bug fixed in the calculation of the logscaled
  magnitude squared coherence confidence intervals if dof are 2
  mscohere is practically undetermined -> upper limit is set to 1
  lower to 0 in some cases the variable defining the lower bound
  become negative as this is not possible physically the values are
  set to 0

2010-12-01 19:16 ingo

* @LTPDAprefs/LTPDAprefs.m: register the callback to the swing
  panel instead to our own class because the callbacks are working
  only for swing components.

2010-12-01 19:15 ingo

* @LTPDAprefs/cb_plotPrefsChanged.m: Remove the error because it is
  possible that the plot panel fires some other property-changed
  events. (For example when the ancestor changes)

2010-12-01 18:23 luigi

* @ao/: confint.m, getdof.m: now the methods copes with processed
  spectral data, it is no more required to pass them the direct
  output of a spectral estimator The calculation of confidence
  levels for fit parameters was removed, it will be implemented in
  a proper method of the pest class

2010-12-01 18:17 ingo

* @LTPDAworkbench/mpl2jpl.m: Bug fix: The problem was that it was
  not possible to build a executable one-line-string for objects
  with more than one history step. In this case we use now a PLIST
  which stores all important properties from the object. We use for
  this the method 'generateConstructorPlist'

2010-12-01 18:13 ingo

* @ao/generateConstructorPlist.m,
  @collection/generateConstructorPlist.m,
  @filterbank/generateConstructorPlist.m, @ltpda_uoh/ltpda_uoh.m,

```
        @matrix/generateConstructorPlist.m,
        @mfir/generateConstructorPlist.m,
        @miir/generateConstructorPlist.m,
        @parfrac/generateConstructorPlist.m,
        @pest/generateConstructorPlist.m,
        @pzmodel/generateConstructorPlist.m,
        @rational/generateConstructorPlist.m,
        @smodel/generateConstructorPlist.m,
        @ssm/generateConstructorPlist.m,
        @timespan/generateConstructorPlist.m: Add a new method
        'generateConstructorPlist' to all ltpda_uoh classes. This method
        creates from the important properties a PLIST which the user can
        use to create a new object with the same properties.

2010-12-01 18:00  ingo

      * @mfir/: mfir.m, setGd.m: make the 'setGd' method as a public
        method

2010-12-01 17:56  ingo

      * @msym/msym.m: add copy constructor.

2010-12-01 17:55  ingo

      * @smodel/fromExpression.m: bug fix: We have forgotten to set the
        'name' from the PLISt.

2010-12-01 17:49  adrien

      * @ssm/doSubsParameters.m: Bug in precision. Was not substituting
        the correct value for the parameters. Now with 17 digits
        precision

2010-12-01 17:34  adrien

      * @ssm/parameterDiff.m: Removing a white space (how could it ever
        work?) and some memory management was improved

2010-11-30 18:42  ingo

      * @LTPDAprefs/cb_guiClosed.m: 1. Delete the MATLAB LTPDAprefs
        object with the command: delete() 2. Checks first if the input
        object is valid for deleting the object from the memory.

2010-11-30 18:39  ingo

      * @LTPDAprefs/setApplicationData.m: New static method which sets
        (at the moment) the plot properties to the default-application
        data.

2010-11-30 18:38  ingo

      * @LTPDAprefs/LTPDAprefs.m: Source some functions out into their
        own m-files.

2010-11-30 18:37  ingo

      * @LTPDAprefs/: loadPrefs.m, upgradeFromPlist.m: Create own m-file
        for this static methods.

2010-11-30 18:35  ingo

      * @LTPDAworkbench/LTPDAworkbench.m: Add a try-catch command around
        the uploading of the models.

2010-11-30 18:34  ingo

      * @LTPDARepositoryManager/deleteTimer.m: Add an additional check
        (isvalid) before deleting the timer object.

2010-11-30 18:33  ingo
```

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      * @ltpda_uoh/string.m: bug fix for the case that the input object
        have no history.

2010-11-29 20:39  ingo

      * tests/@ltpda_test_runner/ltpda_test_runner.m: define the general
        methods of the 'handle' class as hidden.

2010-11-29 20:37  ingo

      * @LTPDAprefs/LTPDAprefs.m: 1.) Add callback to the plot
        properties.  2.) Remove the outsourced code

2010-11-29 20:35  ingo

      * @LTPDAprefs/: getPreferences.m, setPreference.m: Create own
        m-files for private static methods.

2010-11-29 20:35  ingo

      * @LTPDAprefs/cb_plotPrefsChanged.m: new callback method for the
        plot properties.

2010-11-29 20:34  ingo

      * @LTPDAprefs/: buildMainfig.m, buildPrefsPlist.m, getPrefsPlist.m:
        I hope this method are not longer used.

2010-11-29 20:34  ingo

      * @LTPDAprefs/: cb_addExtensionPath.m, cb_addModelPath.m,
        cb_guiClosed.m, cb_removeExtensionPath.m, cb_removeModelPath.m:
        Create own m-files for the callback functions.

2010-11-29 15:46  hewitson

      * @ao/ifft_core.m: Bug fix: here we were changing the units to
        'arb', clearly the units should remain such that

        b = ifft(fft(a)) b == a b.yunits == a.yunits

        This partly addresses the issues in MANTIS issue 512.

2010-11-29 15:38  hewitson

      * @ao/join.m: Bug fix: the inputs to join were assumed to be in
        temporal order. Now we make it explicitely so by sorting the
        input AOs if they are time-series.

2010-11-29 15:22  hewitson

      * @ssm/simulate.m: Added a new parameter 't0' to replace 'tini' to
        be more uniform with the rest of the toolbox. The use of 'tini'
        issues a deprecation warning now.

        Also, the default value is now empty, and if it is empty, then
        the output AOs get a t0 which is the clock time from the start of
        the simulation.

2010-11-26 14:50  luigi

      * @ao/mcmc_td.m: mcmc for time domain log likelihood minimization
        with ssm

2010-11-26 14:48  luigi

      * +utils/@math/: loglikehood_ssm_td.m, math.m, mhsample_td.m:
        metropolis sampler for time domain loglikelihood minimization
        with ssm

2010-11-25 15:10  adrien
```

* @ao/spsd.m: More precise STD estimation on my samples.

2010-11-25 14:51 ingo

* @ssmblock/ssmblock.m, @ssmport/ssmport.m: Add necessary
  constructor for reading MAT- and XML- files.

2010-11-23 15:30 hewitson

* @ssm/: modelHelper_checkParameters.m, ssm.m: A new helper method
  for use in ssm models which checks the list of the parameter
  names the user wants to set against a list of names the model
  supports. At the moment it throws a warning, but it might make
  sense to throw an error here.

2010-11-22 17:53 luigi

* @matrix/linfitsvd.m: a first step towards linear fits with ssm i)
  previous behavior is preserved ii) fit with ssm still requires
  further investigation

2010-11-22 13:47 ingo

* +utils/@math/isequal.m: Adaptation to MATLAB behaviour: MATLAB's
  "isequal" doesn't distinguish between logical AND double. for
  example: isequal(0, logival(0))

2010-11-22 12:15 luigi

* +utils/@math/: loglikehood_ssm_td.m, loglikehood_td.m, math.m:
  definetily better behavior - now is performing better than the
  bare chi square (at least with the simple harmonic osillator
  example)

2010-11-19 13:40 ingo

* +utils/@math/isequal.m: bug fix: It is necessary to check the
  size of the inputs first before we convert the values to double.
  It is also necessary to check if the inputs are numeric values.
  There exist in our toolbox some cases that we compare an empty
  array [] with a param-object. In this case uses the eq-method
  this isequal method and not the object-eq method because the
  first input is a DOUBLE [].

2010-11-19 13:37 ingo

* @ltpda_obj/eq.m: bug fix: I made a mistake. "if [0 1] ... end"
  doesn't check for all values in the vector only the first. I used
  this command for: "if size(obj1) ~= size(obj2)"

2010-11-18 11:34 hewitson

* @plist/ltp_parameters.m: Allow building the full parameter list
  (i.e. no input specified).

2010-11-17 15:58 ingo

* @plist/eq.m: Now it is possible to add a tolerance for the check
  of numeric values.

2010-11-17 15:56 ingo

* +utils/@math/isequal.m: new condition for the tolerance: Even if
  the user specified a tolerance and it is empty then uses the
  method the default tolerance.

2010-11-17 14:06 ingo

* +utils/@math/isequal.m, @ltpda_obj/eq.m: Correct my own code. I
  doesn't make sense that a utils.math.isequal method throw an
  error if the inputs doesn't have the same size. Even in this case

```
        should the method return 'false' and not an error.

2010-11-17 13:59  ingo

      * @ltpda_obj/eq.m: - put a try-catch command around the
        'utils.math.isequal' method because this method throws an error.

2010-11-17 13:58  ingo

      * +utils/@math/isequal.m: bug fix: The MATLAB command rethrow
        expects an MException object or an MException struct --> using
        the error command instead.

2010-11-16 18:14  ingo

      * +utils/@math/isequal.m: 1) Add a check for the same size of the
        inputs 2) Convert the input values to doubles.

2010-11-16 18:13  ingo

      * @ltpda_obj/eq.m: Now it is possible to specify a tolerance for
        numeric values.

2010-11-16 17:41  luigi

      * +utils/@math/: Rcovmat.m, chisquare_ssm_td.m, corr2cov.m,
        cov2corr.m, loglikehood_ssm_td.m, loglikehood_td.m, math.m,
        xCovmat.m: A first attempt to write a maximum likelihood
        estimator in time domain for the ssm - not  satisfactory at the
        moment

2010-11-16 13:42  ingo

      * @plist/remove.m: Add some description for the new feature.

2010-11-16 13:37  ingo

      * @plist/remove.m: Add t he feature to remove multiple 'keys' from
        a PLIST.

2010-11-16 12:22  hewitson

      * @plist/eq.m: Use utils.math.isequal when comparing numeric
        matrices so that we can use a tolerance.

2010-11-16 12:22  hewitson

      * @ltpda_obj/eq.m: 1) Use utils.math.isequal when comparing numeric
        matrices so that we can use a tolerance.

        2) Moved the display output inside the loop over the objects.

2010-11-16 12:21  hewitson

      * +utils/@math/isequal.m: Handle matrices containing NaNs.

2010-11-16 09:12  hewitson

      * @ao/iplot.m: Bug fix: scaling the y axis for spectra plots now
        works if there are multiple traces being plotted. Before the fix
        we were only setting the y range according to the last data
        series plotted. Now the previous data series are accounted for.

2010-11-16 09:07  hewitson

      * tests/@ltpda_test_runner/ltpda_test_runner.m: New method to count
        the failed tests.

2010-11-16 09:07  hewitson

      * tests/@ut_result_printer/ut_result_printer.m: Bug fix: check that
        the runner contains results before trying to access them.
```

2010-11-15 11:40 mauro

	* +utils/+const/@physics/physics.m: I somehow prefer this
	  definition.

2010-11-12 13:07 hewitson

	* +utils/@models/processModelInputs.m: A simplified version, which
	  also works properly, unlike the last version.

2010-11-12 09:39 hewitson

	* @plist/getParamValueForParam.m: A new plist method to retrieve
	  the paramValue object for a particular key. This is useful when
	  rebuilding a plist with different keys but using parameter values
	  from other plists.

2010-11-12 09:10 hewitson

	* @ssm/ssm.m: Don't add the history after the call to fromModel,
	  because the history is handled in that function.

2010-11-10 10:44 luigi

	* @ao/lscov.m: added the chi2 in the proper field of the output
	  pest object

2010-11-10 10:44 luigi

	* @ao/linlsqsvd.m: some more improvements to match the behavior of
	  lscov with the output pest

2010-11-10 09:58 luigi

	* +utils/@math/linlsqsvd.m, +utils/@math/math.m, @ao/linlsqsvd.m,
	  @matrix/linfitsvd.m, @matrix/linlsqsvd.m: A little restructuring
	  of the linfitsvd method Now it wraps linlsqsvd which is a new
	  method for matrix and ao with the same syntax of ao/lscov An
	  utils/math function with the name linlsqsvd is also created which
	  performs the core calculations for both aos and matrices

2010-11-05 11:13 marc1

	* @matrix/mcmc.m: added option to disable mcmc sampling and
	  enabling the possibliity of doing only a simplex search. It does
	  not break previous scripts because the default behaviour remains
	  the same.

2010-11-04 16:56 hewitson

	* +utils/@models/processModelInputs.m: Make sure the user plist is
	  dominating the output plist. This can probably be optimised.

2010-11-04 09:41 hewitson

	* @ssm/: modelHelper_processInputPlist.m, ssm.m: A new static
	  helper method to process input plists. This takes over a small
	  part of the modelHelper_introScript, most of which is not needed
	  in the new model templates.

2010-11-04 09:29 hewitson

	* @ssm/modelHelper_declareParameters.m: Support string input for
	  'symbolic params' and 'param names'

2010-11-04 08:39 hewitson

	* @ssm/modelHelper_declareParameters.m: Add semicolons to suppress
	  dumping of plist to terminal.

2010-11-04 08:32 hewitson

* @ltpda_uoh/fromModel.m: Fixed typo in the error message.

2010-11-04 08:32 hewitson

* @ssm/ssm.m: Remove the restriction on the model name being upper
  case.

2010-11-03 11:17 mauro

* @ao/iplot.m: Bug fixed in time format label

2010-11-03 10:56 mauro

* @ao/: linfit.m, polynomfit.m: Allowing dx to be included in th
  input objects, without being swept away from the plist (empty by
  default) values

2010-10-29 18:11 ingo

* +utils/: @helper/displayMethodInfo.m,
  @models/displayModelOverview.m: create the dynamic help files in
  the MATLAB preferences path. On Linux it is: ~/.matlab/R2010b/

2010-10-29 18:09 ingo

* @ao/: fromComplexDatafile.m, fromDataInMAT.m, fromDatafile.m,
  fromFSfcn.m, fromFcn.m, fromGEOserver.m, fromNDS.m,
  fromPolyval.m, fromPzmodel.m, fromSpecWin.m, fromStruct.m,
  fromVals.m, fromWaveform.m, fromXYFcn.m, fromXYVals.m: remove the
  "HISTORY: " from the header

2010-10-29 18:09 ingo

* @collection/addObjects.m, @collection/char.m,
  @collection/collection.m, @collection/display.m,
  @collection/fromRepository.m, @collection/fromStruct.m,
  @collection/getObjectAtIndex.m, @collection/getObjectsOfClass.m,
  @collection/nobjs.m, @collection/removeObjectAtIndex.m,
  @collection/setObjectAtIndex.m, @collection/setObjs.m,
  @filterbank/addFilters.m, @filterbank/char.m,
  @filterbank/display.m, @filterbank/filterbank.m,
  @filterbank/fromFilters.m, @filterbank/fromStruct.m,
  @filterbank/resp.m, @filterbank/setIunits.m,
  @filterbank/setOunits.m, @ltpda_filter/impresp.m,
  @ltpda_filter/setHistout.m, @ltpda_tf/resp.m,
  @ltpda_tf/setIunits.m, @ltpda_tf/setOunits.m,
  @ltpda_tf/simplifyUnits.m, @matrix/char.m, @matrix/conj.m,
  @matrix/crb.m, @matrix/ctranspose.m, @matrix/det.m,
  @matrix/display.m, @matrix/fft.m, @matrix/fftfilt.m,
  @matrix/filter.m, @matrix/fromCSD.m, @matrix/fromStruct.m,
  @matrix/getObjectAtIndex.m, @matrix/inv.m, @matrix/linearize.m,
  @matrix/linfitsvd.m, @matrix/matrix.m, @matrix/mchNoisegen.m,
  @matrix/mchNoisegenFilter.m, @matrix/mcmc.m,
  @matrix/MultiChannelNoise.m, @matrix/minus.m, @matrix/mtimes.m,
  @matrix/ncols.m, @matrix/nrows.m, @matrix/osize.m,
  @matrix/plus.m, @matrix/rdivide.m, @matrix/rotate.m,
  @matrix/setObjs.m, @matrix/simplify.m, @matrix/split.m,
  @matrix/times.m, @matrix/transpose.m, @mfir/char.m,
  @mfir/display.m, @mfir/fromA.m, @mfir/fromAO.m,
  @mfir/fromPzmodel.m, @mfir/fromStandard.m, @mfir/fromStruct.m,
  @mfir/mfir.m, @mfir/mkbandpass.m, @mfir/mkbandreject.m,
  @mfir/mkhighpass.m, @mfir/mklowpass.m, @mfir/parseFilterParams.m,
  @mfir/redesign.m, @miir/char.m, @miir/display.m, @miir/fromAB.m,
  @miir/fromAllpass.m, @miir/fromLISO.m, @miir/fromParfrac.m,
  @miir/fromPzmodel.m, @miir/fromStandard.m, @miir/fromStruct.m,
  @miir/miir.m, @miir/mkallpass.m, @miir/mkbandpass.m,
  @miir/mkbandreject.m, @miir/mkhighpass.m, @miir/mklowpass.m,
  @miir/parseFilterParams.m, @miir/redesign.m, @miir/setB.m,
  @miir/setHistin.m, @parfrac/char.m, @parfrac/display.m,
  @parfrac/fromPzmodel.m, @parfrac/fromRational.m,
  @parfrac/fromResidualsPolesDirect.m, @parfrac/fromStruct.m,

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        @parfrac/getlowerFreq.m, @parfrac/getupperFreq.m,
        @parfrac/parfrac.m, @pest/LTPimperf2physParams.m, @pest/char.m,
        @pest/display.m, @pest/eval.m, @pest/find.m, @pest/pest.m,
        @pest/setChain.m, @pest/setChi2.m, @pest/setCorr.m,
        @pest/setCov.m, @pest/setDof.m, @pest/setDy.m,
        @pest/setDyForParameter.m, @pest/setModels.m, @pest/setNames.m,
        @pest/setPdf.m, @pest/setY.m, @pest/setYforParameter.m,
        @pest/setYunitsForParameter.m, @pest/setYunits.m, @pest/toAO.m,
        @pzmodel/abcascade.m, @pzmodel/char.m, @pzmodel/display.m,
        @pzmodel/fngen.m, @pzmodel/fromLISO.m, @pzmodel/fromParfrac.m,
        @pzmodel/fromPolesAndZeros.m, @pzmodel/fromRational.m,
        @pzmodel/fromStruct.m, @pzmodel/getlowerFreq.m,
        @pzmodel/getupperFreq.m, @pzmodel/mrdivide.m, @pzmodel/mtimes.m,
        @pzmodel/pzmodel.m, @pzmodel/rdivide.m, @pzmodel/setDelay.m,
        @pzmodel/setGain.m, @pzmodel/setPoles.m, @pzmodel/setZeros.m,
        @pzmodel/simplify.m, @pzmodel/times.m, @pzmodel/tomfir.m,
        @pzmodel/tomiir.m, @rational/char.m, @rational/display.m,
        @rational/fromCoefficients.m, @rational/fromParfrac.m,
        @rational/fromPzmodel.m, @rational/fromStruct.m,
        @rational/getlowerFreq.m, @rational/getupperFreq.m,
        @rational/rational.m: workaround for the broken help links
        (header) in MATLAB 2010b.

2010-10-29 14:47  ingo

      * @cdata/cdata.m, @fsdata/fsdata.m, @history/history.m,
        @ltpda_data/ltpda_data.m, @ltpda_filter/ltpda_filter.m,
        @ltpda_tf/ltpda_tf.m, @param/param.m, @paramValue/paramValue.m,
        @provenance/provenance.m, @pz/pz.m, @specwin/specwin.m,
        @tsdata/tsdata.m, @xydata/xydata.m, @xyzdata/xyzdata.m: remove
        the "M-INFO:" part from the help header.

2010-10-29 14:45  ingo

      * @minfo/tohtml.m: necessary for the broken help link workaround.
        We don't use any longer the help browser
        software/m-toolbox/classes/@minfo/tohtml.m we have to remove the
        'txt://' at the begin of the   HTML page.

2010-10-29 14:43  ingo

      * @ltpda_nuo/ltpda_nuo.m, @ltpda_obj/eq.m, @ltpda_obj/get.m,
        @ltpda_obj/isprop.m, @ltpda_obj/ltpda_obj.m, @ltpda_obj/ne.m,
        @ltpda_uo/bsubmit.m, @ltpda_uo/save.m,
        @ltpda_uo/setDescription.m, @ltpda_uo/setMdlfile.m,
        @ltpda_uo/setName.m, @ltpda_uo/submit.m, @ltpda_uo/update.m,
        @ltpda_uoh/addHistory.m, @ltpda_uoh/created.m,
        @ltpda_uoh/creator.m, @ltpda_uoh/csvexport.m,
        @ltpda_uoh/fromComplexDatafile.m, @ltpda_uoh/fromDataInMAT.m,
        @ltpda_uoh/fromDatafile.m, @ltpda_uoh/fromFile.m,
        @ltpda_uoh/fromLISO.m, @ltpda_uoh/index.m, @ltpda_uoh/rebuild.m,
        @ltpda_uoh/report.m, @ltpda_uoh/setDescription.m,
        @ltpda_uoh/setHist.m, @ltpda_uoh/setMdlfile.m,
        @ltpda_uoh/setName.m, @ltpda_uoh/setPlotinfo.m,
        @ltpda_uoh/setProcinfo.m, @ltpda_uoh/string.m, @ltpda_uoh/type.m,
        @ltpda_uoh/viewHistory.m, @plist/append.m, @plist/char.m,
        @plist/combine.m, @plist/display.m, @plist/eq.m, @plist/find.m,
        @plist/fromFile.m, @plist/fromRepository.m, @plist/fromStruct.m,
        @plist/getDescriptionForParam.m, @plist/getIndexForKey.m,
        @plist/getKeys.m, @plist/getOptionsForParam.m,
        @plist/getSelectionForParam.m, @plist/getSetRandState.m,
        @plist/isparam.m, @plist/ltp_parameters.m, @plist/merge.m,
        @plist/mfind.m, @plist/nparams.m, @plist/parse.m, @plist/plist.m,
        @plist/plist2cmds.m, @plist/pset.m, @plist/remove.m,
        @plist/removeKeys.m, @plist/setCreated.m, @plist/setCreator.m,
        @plist/setDefaultForParam.m, @plist/setDescriptionForParam.m,
        @plist/setName.m, @plist/setOptionsForParam.m,
        @plist/setSelectionForParam.m, @plist/shouldIgnore.m,
        @plist/string.m, @plist/subset.m, @smodel/char.m, @smodel/conj.m,
        @smodel/convol_integral.m, @smodel/det.m, @smodel/diff.m,
        @smodel/display.m, @smodel/double.m, @smodel/eval.m,
        @smodel/fitfunc.m, @smodel/fourier.m, @smodel/fromExpression.m,
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@smodel/fromStruct.m, @smodel/ifourier.m, @smodel/ilaplace.m,
@smodel/inv.m, @smodel/iztrans.m, @smodel/laplace.m,
@smodel/linearize.m, @smodel/minus.m, @smodel/mrdivide.m,
@smodel/mtimes.m, @smodel/op.m, @smodel/plus.m,
@smodel/rdivide.m, @smodel/setParams.m, @smodel/setTrans.m,
@smodel/setValues.m, @smodel/setXunits.m, @smodel/setXvals.m,
@smodel/setXvar.m, @smodel/setYunits.m, @smodel/simplify.m,
@smodel/simplifyUnits.m, @smodel/smodel.m, @smodel/sop.m,
@smodel/subs.m, @smodel/sum.m, @smodel/times.m, @smodel/ztrans.m,
@ssm/CPSD.m, @ssm/addParameters.m, @ssm/append.m,
@ssm/assemble.m, @ssm/blockMatPrune.m, @ssm/bode.m,
@ssm/bodecst.m, @ssm/buildParamPlist.m, @ssm/char.m, @ssm/PSD.m,
@ssm/display.m, @ssm/displayProperties.m, @ssm/dotview.m,
@ssm/double.m, @ssm/duplicateInput.m, @ssm/findParameters.m,
@ssm/getMatrixSelection.m, @ssm/getParameters.m,
@ssm/getParams.m, @ssm/isStable.m, @ssm/kalman.m,
@ssm/keepParameters.m, @ssm/modifyTimeStep.m,
@ssm/noiseSpectrum.m, @ssm/parameterDiff.m, @ssm/reorganize.m,
@ssm/resp.m, @ssm/respcst.m, @ssm/sMinReal.m,
@ssm/setBlockDescriptions.m, @ssm/setBlockNames.m,
@ssm/setBlockProperties.m, @ssm/setParameters.m,
@ssm/setParams.m, @ssm/setPortDescriptions.m,
@ssm/setPortNames.m, @ssm/setPortProperties.m,
@ssm/setPortUnits.m, @ssm/settlingTime.m, @ssm/simplify.m,
@ssm/simulate.m, @ssm/ssm.m, @ssm/ssm2dot.m, @ssm/ssm2miir.m,
@ssm/ssm2pzmodel.m, @ssm/ssm2rational.m, @ssm/ssm2ss.m,
@ssm/ssmFromDescription.m, @ssm/ssmFromss.m, @ssm/steadyState.m,
@ssm/subsParameters.m, @ssm/update_struct.m, @timespan/char.m,
@timespan/display.m, @timespan/double.m, @timespan/fromStruct.m,
@timespan/fromTimespanDef.m, @timespan/setEndT.m,
@timespan/setStartT.m, @timespan/timespan.m: workaround for the
broken help links in MATLAB 2010b.

2010-10-29 14:40 ingo

* +utils/: @helper/err.m, @helper/warn.m,
@jmysql/getRepositoryVersion.m, @jmysql/getUserID.m,
@jmysql/getXdoc.m, @jmysql/insert.m, @math/blwhitenoise.m,
@math/csd2tf2.m, @math/getdc.m, @math/getinitstate.m,
@math/getk.m, @math/isequal.m, @math/linfitsvd.m, @math/pf2ss.m,
@math/pfallps2.m, @math/pfallpsyms2.m, @math/pfallpsymz2.m,
@math/pfallpz2.m: change cvs type from -ko to -kkv

2010-10-29 14:09 hewitson

* @LTPDAprefs/LTPDAprefs.m: Add callback handlers for the
add/remove extension directories.

2010-10-29 14:08 hewitson

* +utils/@helper/: getExtensionDirs.m, helper.m,
installExtensions.m, installExtensionsForDir.m,
uninstallExtensions.m, uninstallExtensionsForDir.m: New helper
functions for handling the new extensions scheme.

2010-10-28 18:04 congedo

* @smodel/hessian.m: added plist for select the parameters to
differentiate

2010-10-28 17:50 ingo

* @ao/: abs.m, acos.m, and.m, angle.m, ao.m, asin.m, atan.m,
atan2.m, bilinfit.m, bin_data.m, buildWhitener1D.m, cat.m,
char.m, cohere.m, complex.m, compute.m, confint.m, conj.m,
consolidate.m, conv.m, convert.m, corr.m, cos.m, cov.m, cpsd.m,
crbound.m, ctranspose.m, curvefit.m, delay.m, delayEstimate.m,
demux.m, det.m, detrend.m, dft.m, diag.m, diff.m, display.m,
dopplercorr.m, downsample.m, dropduplicates.m, dsmean.m, dx.m,
dy.m, eig.m, eqmotion.m, evaluateModel.m, exp.m, export.m, fft.m,
fftfilt.m, filtSubtract.m, filter.m, filtfilt.m, find.m,
firwhiten.m, fixfs.m, fngen.m, fromProcinfo.m, fs.m,

gapfilling.m, gapfillingoptim.m, ge.m, getdof.m, gnuplot.m, gt.m,
heterodyne.m, hist.m, hypot.m, ifft.m, imag.m, integrate.m,
interp.m, interpmissing.m, intersect.m, inv.m, iplot.m,
iplotyy.m, join.m, lcohere.m, lcpsd.m, le.m, len.m,
linSubtract.m, lincom.m, linedetect.m, linfit.m, lisovfit.m,
ln.m, log.m, log10.m, lpsd.m, lscov.m, lt.m, ltfe.m,
ltp_ifo2acc.m, max.m, mcmc.m, md5.m, mdc1_cont2act_utn.m,
mdc1_ifo2acc_fd.m, mdc1_ifo2acc_fd_utn.m, mdc1_ifo2acc_inloop.m,
mdc1_ifo2cont_utn.m, mdc1_ifo2control.m, mdc1_x2acc.m, mean.m,
median.m, min.m, minus.m, mode.m, mpower.m, mrdivide.m, mtimes.m,
noisegen1D.m, noisegen2D.m, norm.m, normdist.m, nsecs.m,
offset.m, optSubtraction.m, or.m, phase.m, plus.m, polyfit.m,
polynomfit.m, power.m, psd.m, psdconf.m, quasiSweptSine.m,
rdivide.m, real.m, removeVal.m, resample.m, rms.m, rotate.m,
round.m, sDomainFit.m, scale.m, scatterData.m, search.m,
select.m, setDx.m, setDy.m, setFs.m, setT0.m, setX.m, setXY.m,
setXunits.m, setY.m, setYunits.m, setZ.m, sign.m,
simplifyYunits.m, sin.m, sineParams.m, smallvector_lincom.m,
smallvectorfit.m, smoother.m, sort.m, spectrogram.m,
spikecleaning.m, split.m, spsd.m, sqrt.m, std.m,
straightLineFit.m, sum.m, sumjoin.m, svd.m, svd_fit.m, t0.m,
table.m, tan.m, tdfit.m, tfe.m, timeaverage.m, timedomainfit.m,
times.m, timeshift.m, transpose.m, uminus.m, unwrap.m,
upsample.m, validate.m, var.m, whiten1D.m, whiten2D.m, x.m,
xcorr.m, xfit.m, xunits.m, y.m, yunits.m, zDomainFit.m,
zeropad.m: workaround for the broken help links in MATLAB 2010b.

2010-10-28 16:43 adrien

* @ssm/modelHelper_introScript.m: "SET" is a forbidden numerical
parameter. Therfore it is not necessary to try substitute it and
throw an erronated warning to the user.

2010-10-28 16:35 adrien

* @ao/spsd.m: Now tested PSD estimator STD, true within a factor <2

2010-10-28 16:34 adrien

* @ao/optSubtraction.m: Now faster way of scaling the criterion,
and output hessian/criterion are not normalized anymore so no
ambiguity lies in the detrmination of the fisher matrix.

2010-10-28 15:47 congedo

* @smodel/hessian.m: new method for computing the hessian matrix
for a given symbolic model.

2010-10-28 15:39 ingo

* +utils/@helper/: helper.m, displayMethodInfo.m: new helper method
which displays the method info in a the MATLAB browser.

2010-10-28 15:16 ingo

* @minfo/modelOverview.m: Open the sub-model help page in a new
MATLAB browser and not in the help browser

2010-10-28 15:04 ingo

* +utils/@models/displayModelOverview.m: new method

2010-10-28 15:04 ingo

* +utils/@models/models.m: Add new prototype 'displayModelOverview'

2010-10-28 15:03 ingo

* @minfo/modelOverview.m: We don't need any more at the begin of
the HTML page the 'text://' because this is only necessary for
the help-browser. Now we use the 'normal' MATLAB browser and not
the help-browser.

2010-10-27 18:29 ingo

	* @rational/rational.m: Add new constructor: rational(num, den,
	  iunits, ounits)

2010-10-27 18:26 ingo

	* @ao/table.m: bug fix: throw an error for AOs with xyz-data
	  objects.

2010-10-27 18:25 ingo

	* @rational/rational.m: Throw an error for a not valid four
	  argument constructor.

2010-10-27 14:53 luigi

	* @matrix/linfitsvd.m: added a tolerance parameter - check the
	  convergence of the fit parameters fit parameters are supposed to
	  go to zero. As soon as their value become smaller than the error
	  then we claim for convergence. Default value for the parameter
	  is 1 The check on the chi2 convergence is removed because is
	  redundant

2010-10-27 10:55 congedo

	* @pest/LTPimperf2physParams.m: Modified to output the difference
	  of stiffness, as this is the the actual measured physical
	  parameter. The second stiffness is anyway contained in the
	  procinfo.

2010-10-26 15:17 hewitson

	* tests/@ut_result_printer/printSummaryString.m: Fix typo in
	  function name.

2010-10-26 15:16 hewitson

	* tests/@ut_result_printer/ut_result_printer.m: Don't want these
	  methods to be private.

2010-10-26 14:18 hewitson

	* tests/@ut_result_printer/printRuntimeString.m: Bug fix: we want
	  the runtime of all tests.

2010-10-26 13:02 hewitson

	* tests/@ltpda_test_runner/run_test_list.m: Bug fix: the runtime
	  was not being recorded properly.

2010-10-26 11:45 miquel

	* @matrix/mcmc.m: adding values to default plist

2010-10-26 11:22 hewitson

	* +utils/@models/processModelInputs.m: Oops. Combined the plists
	  the wrong way around. Silly me.

2010-10-26 11:05 luigi

	* @matrix/linfitsvd.m: bug fixed, it was caused by the changes of
	  yesterday. A wrong value for the chi2 was recorded

2010-10-26 09:42 hewitson

	* +utils/@models/processModelInputs.m: Bug fix: We need to combine
	  the plist of the model version the user actually requests. If the
	  user requests no specific version, the default version (first in
	  the version table) is used.

2010-10-25 17:32 luigi

	* @matrix/linfitsvd.m: changed convergence criteria to stop fit
	  iteration

2010-10-25 08:40 hewitson

	* tests/@ltpda_test_runner/ltpda_test_runner.m: 1) Don't hide this
	  class 2) Add some help comments 3) Allow inputs to the static
	  RUN_TESTS method.

2010-10-23 13:14 hewitson

	* @LTPDAModelBrowser/LTPDAModelBrowser.m: Controller class for the
	  new built-in model browser.

	  LTPDAModelBrowser

	  This only works with the new type of models.

2010-10-23 12:38 hewitson

	* @minfo/modelOverview.m: Add some hooks to allow the output to be
	  used in the new model browser (coming soon).

2010-10-23 12:37 hewitson

	* @smodel/double.m: I don't see any reason that 'values' can't be
	  empty. It's perfectly reasonable to have a model which contains
	  no variables.

2010-10-22 18:04 congedo

	* @ao/xfit.m: bugs fixed

2010-10-22 10:49 marc1

	* @ssm/ssm.m: bug fixed

2010-10-21 14:37 marc1

	* @ssm/ssm.m: Checking if withparams is used in the ssm constructor
	  in the 'built-in' case. An error is raised if so.

2010-10-21 12:38 marc1

	* @ssm/: modelHelper_declareParameters.m,
	  modelHelper_introScript.m, ssm.m: Changes on the key to handle
	  parametric models: Changes: the key 'withparams' is substituted
	  with 'symbolic params' the key 'setnames' is substituted with
	  'param names' the key 'setvalues' is substituted with 'param
	  values'

2010-10-21 12:16 luigi

	* +utils/@math/linfitsvd.m, +utils/@math/math.m,
	  @matrix/linfitsvd.m: updated. A new output keep trace of the
	  number of independent combinations of parameters for each input
	  measurement

2010-10-20 17:54 luigi

	* +utils/@math/linfitsvd.m, +utils/@math/math.m,
	  @matrix/linfitsvd.m: added the dof of the chi square to the
	  output

2010-10-20 17:20 luigi

	* +utils/@math/linfitsvd.m, @matrix/linfitsvd.m: changed a
	  threshold ensuring fit accuracy 10 -> 1 now it fit also 10
	  parameters for the stoc ex6

2010-10-19 20:39 congedo

	* @pest/LTPimperf2physParams.m: small typo.

2010-10-19 20:37 congedo

	* @pest/LTPimperf2physParams.m: this pest method converts fit
	  imperfections to actual physical parameters, provided the two
	  nominal stiffnesses.

2010-10-14 14:29 luigi

	* +utils/@math/csd2tf2.m: bug fixed in the 1D case

2010-10-11 15:43 ingo

	* @LTPDAprefs/: cb_applyPrefs.m, cb_cancel.m, cb_categorySelect.m,
	  cb_dirAdd.m, cb_dirRmv.m, cb_fileSelect.m, cb_mainfigClose.m,
	  cb_ok.m, cb_repoAdd.m, cb_repoRmv.m, cb_saveStateFalse.m,
	  cb_unitAdd.m, cb_unitRmv.m: Remove the not longer used callback
	  functions for the LTPDA preferences GUI.

2010-10-11 10:16 mauro

	* @cdata/applyoperator.m: Added uncertainty calculation in the case
	  of operator = 'power' (I actually have no idea of other cases
	  this is used for) Removed unused case

2010-10-11 10:15 mauro

	* @data2D/applyoperator.m: Added uncertainty calculation in the
	  case of operator = 'power' (I actually have no idea of other
	  cases this is used for)

2010-10-08 10:14 hewitson

	* @ltpda_uoh/fromModel.m: Only print out the list according to the
	  users verbosity level.

2010-10-08 09:28 hewitson

	* tests/@ltpda_test_runner/ltpda_test_runner.m: Added a method to
	  dump the results from the runner. Also added conventient static
	  methods which run the different test configurations and print the
	  results to the terminal.

2010-10-08 09:27 hewitson

	* tests/@ut_result_printer/: dump.m, printFailuresString.m,
	  printRuntimeString.m, printSummaryString.m, ut_result_printer.m:
	  Factoring out the code for printing and displaying now failures
	  and runtimes.

2010-10-08 09:01 hewitson

	* tests/@ltpda_test_runner/run_tests.m: Completed the last user
	  option:

	  runner.run_tests(<test_class>, {...methods...})

2010-10-08 08:53 hewitson

	* tests/@ut_result_printer/ut_result_printer.m: Added
	  documentation.

2010-10-08 08:52 hewitson

	* tests/@ltpda_utp/ltpda_utp.m: Cleaned up documentation. Added a
	  new property to hold a configuration plist.

2010-10-08 08:51 hewitson

```
        * tests/@ltpda_test_runner/ltpda_test_runner.m: 1) cleaned up
          documentation

          2) declare many of the methods as protected

          3) expose a static method to run all tests under current
          directory  ltpda_test_runner.RUN_TESTS

2010-10-08 08:50  hewitson

        * tests/@ltpda_test_runner/run_tests.m: Added documentation. The
          user interface is now:

          %   runner.run_tests() % all tests under the current directory %
           runner.run_tests('all') % all %   runner.run_tests('models') %
          only models %   runner.run_tests('classes') % only models %
          runner.run_tests(<test_class>) % all tests in test class %
          runner.run_tests(<test_class>, {... methods ...}) % only
          particular tests in test class

2010-10-08 08:49  hewitson

        * tests/: @ltpda_test_runner/get_tests_for_class.m,
          @ltpda_test_runner/run_test_list.m, @ut_result/ut_result.m: Added
          documentation.

2010-10-08 08:49  hewitson

        * tests/@ltpda_test_runner/: get_builtin_model_tests.m,
          get_class_tests.m: Added documentation. Now calls the private
          method get_tests_in_dir.

2010-10-08 08:48  hewitson

        * tests/@ltpda_test_runner/get_tests_in_dir.m: New private method
          to get a test array for all test classes below the given
          directory.

2010-10-07 16:58  hewitson

        * @ao/iplot.m: Adds the description of the object to the legend. We
          still need to put the override in place, so if this annoys
          people, please feel free to revert the version back for now.

2010-10-07 16:58  hewitson

        * @ltpda_uoh/: fromModel.m, getBuiltInModels.m: Use the new utility
          for getting the built-in model paths.

2010-10-07 16:57  hewitson

        * +utils/@prog/dirscan.m: Bug fix: forgot to propagate the root
          directory.

2010-10-07 16:57  hewitson

        * +utils/@models/: getBuiltinModelSearchPaths.m, models.m: A
          utility to retrieve all the paths of the built-in models.

2010-10-07 16:56  hewitson

        * tests/ao/@test_ao_abs/: test_ao_abs.m, test_vector_input.m: Tests
          of the ao/abs method. This class inherits the tests from the
          vector test class. Later it will inherit other classes. At the
          moment it just overloads the single vector test so as to set the
          test data, then call super.

2010-10-07 16:55  hewitson

        * tests/ao/@ltpda_vector_utp/: ltpda_vector_utp.m,
          test_vector_input.m: A class which specialises the ltpda_utp base
```

```
        class to add tests with vector inputs.

2010-10-07 16:54  hewitson

      * tests/@ut_result_printer/ut_result_printer.m: A class for
        printing a set of results from a test runner. So far it only
        offers dumping some info to the terminal, but we'll extend this
        later to printing documents of different types.

2010-10-07 16:53  hewitson

      * tests/@ut_result/ut_result.m: This encapsulates the result of
        running a single test case.

2010-10-07 16:52  hewitson

      * tests/@ltpda_test_runner/: get_builtin_model_tests.m,
        ltpda_test_runner.m, run_test_list.m, run_tests.m,
        get_class_tests.m, get_tests_for_class.m: A class for running the
        new ltpda unit tests.

2010-10-07 16:52  hewitson

      * tests/@ltpda_utp/: char.m, copy.m, display.m, ltpda_utp.m: This
        class forms the base of a new class-based unit test structure.

2010-10-07 13:35  ingo

      * @LTPDAprefs/LTPDAprefs.m: Use "genpath" for adding model path so
        that we also add the sub directories.

2010-10-07 09:56  hewitson

      * +utils/@prog/: dirscan.m, prog.m: A new function which
        recursively scans directories and returns a list of directories
        which match the given regular expression.

2010-10-05 18:04  ingo

      * @ao/intersect.m: First draft of a new intersect method.

2010-10-05 09:29  congedo

      * @ao/: tdfit.m, xfit.m: small bugs fixed.

2010-10-04 20:19  adrien

      * @ssm/: modelHelper_declareParameters.m,
        modelHelper_introScript.m, ssm.m: Class updates : removes the
        "describe" call to constructor

2010-10-04 20:18  adrien

      * @ssm/displayProperties.m: Updated header

2010-10-04 18:56  adrien

      * @ao/spsd.m: adapting code to the new ltpda_spsd function

2010-10-04 18:56  adrien

      * @ao/optSubtraction.m: This function is adapted to the new spsd
        options

2010-10-04 18:55  adrien

      * @ao/gapfillingoptim.m: Although slow, this gap-filling works
        really well. It is based on SPD and some multitaper-windowing
        technique to minimize biases.

2010-10-04 18:52  adrien
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      * @ssm/simulate.m: More accurate message

2010-09-29 13:28  ingo

      * @plist/eq.m: bug fix: the check for PLISTs with a different order
        didn't work.      new check: This method checks also the properties
        of a param value.

2010-09-28 19:52  ingo

      * @param/: attachToDom.m, fromDom.m: bug fix: Add the properties of
        a parameter to the DOM object. For this it was necessary to
        create for 'val' a new node.

2010-09-28 19:49  ingo

      * @paramValue/setProperty.m: bug fix: The MATLAB function 'struct'
        have an different behaviour if the second input is a cell.

2010-09-28 19:48  ingo

      * +utils/@xml/getNumber.m: bug fix for the case [true; false]

2010-09-28 19:47  ingo

      * +utils/@xml/xml.m: add help for prototype

2010-09-28 19:47  ingo

      * +utils/@xml/num2str.m: some cosmetics

2010-09-25 07:51  mauro

      * @ao/mean.m: I forgot to fix the help when changing the way we
        calculate the uncertainty of the mean

2010-09-24 18:17  ingo

      * @ao/elementOp.m: bug fix: Use always the datatype of the first
        input.

2010-09-23 21:50  ingo

      * @ao/: minus.m, mrdivide.m, plus.m, rdivide.m, times.m: adapt this
        methods to the new version of ao.elementOp

2010-09-23 21:50  ingo

      * @ao/elementOp.m: new version

2010-09-23 21:49  ingo

      * @ao/: ao.m, fromDatafile.m: bug fix.

2010-09-23 21:49  ingo

      * @ao/: and.m, or.m: new AO methods.

2010-09-22 22:39  mauro

      * @ao/scale.m: Implemented error propagation for this operator

2010-09-21 17:01  ingo

      * @ao/elementOp.m: bug fix: There was an index issue for the
        operation M_NP + H_NP

2010-09-20 23:14  mauro

      * @ao/detrend.m: Changed default value of detrending order to 1
        (linear trend removal) to harmonize with Matlab behavior UTP
        updated
```

2010-09-20 10:22 mauro

	* @ao/ao.m: Fix in help text

2010-09-18 08:57 mauro

	* @ao/filtSubtract.m: Fixed help string

2010-09-17 16:12 ingo

	* +utils/: @helper/saveobj.m, @bin/fil.m: Remove the fourth output,
	  VERSN, of FILEPARTS will be removed in a future release.

2010-09-17 16:08 ingo

	* @ao/curvefit.m, @ao/gnuplot.m, @history/dotview.m,
	  @history/history.m, @ltpda_uoh/report.m, @ltpda_uoh/type.m,
	  @pzmodel/fromLISO.m, @ssm/dotview.m,
	  @LTPDAworkbench/LTPDAworkbench.m,
	  @LTPDAworkbench/cb_importFromMfile.m, @LTPDAworkbench/export.m,
	  @LTPDAworkbench/fromM.m: Remove the fourth output, VERSN, of
	  FILEPARTS will be removed in a future release.

2010-09-17 16:07 ingo

	* @ao/: ao.m, fromDatafile.m: Now it is possible to read files with
	  a other delimiter than a tab or a space.For this it is necessary
	  to specify the delimiter in the PLIST.

2010-09-17 07:39 mauro

	* @ao/melementOp.m: Added error propagation for multiplication and
	  division operations

2010-09-17 07:24 mauro

	* @ao/elementOp.m: Bug fixed

2010-09-17 06:24 mauro

	* @ao/timeaverage.m: Fixed a bug calculating the uncertainty for
	  the case of 'mean' method.

2010-09-16 17:52 ingo

	* +utils/@helper/helper.m: Add propotype of 'getHelpPath'

2010-09-16 17:03 ingo

	* +utils/@helper/getHelpPath.m: new method to get the path of the
	  LTPDA help pages.

2010-09-16 14:10 adrien

	* @ssm/simulate.m: header modified ("to do")

2010-09-16 14:09 adrien

	* @ssm/reorganize.m: better option plist using paramValue

2010-09-16 13:22 ingo

	* @plist/tohtml.m: bug fix: uses the 'info.xml' to get the
	  docstyle.css path

2010-09-16 13:14 ingo

	* @minfo/tohtml.m, @plist/tohtml.m: bug fix: fix the broken anchor

2010-09-16 12:52 ingo

```
      * @minfo/tohtml.m: bug fix: fix the broken links

2010-09-16 11:09  hewitson

      * +utils/@models/functionForVersion.m: Works with either the
        function handle, or the version table itself.

2010-09-16 11:09  hewitson

      * +utils/@models/getDefaultPlist.m: A rather cleaner
        implementation.

2010-09-16 11:09  hewitson

      * +utils/@models/getDescription.m: Just return the top level
        description. Descriptions for each version can be explicitely
        requested by first getting the version table of the model, then
        calling the version function with 'description'

2010-09-16 11:08  hewitson

      * +utils/@models/processModelInputs.m: A new hook to get back the
        version table. Useful when creating dynamic documentation.

        Allow the description to be called with 'describe' or
        'description'.

2010-09-16 11:07  hewitson

      * @minfo/modelOverview.m: A fairly complete function intended to
        display information about built-in models. The minfo from
        built-in models can be passed to this function and then the
        result displayed in the help browser. This allows creating the
        dynamic links in the built-in model help.

2010-09-16 10:18  hewitson

      * @minfo/tohtml.m: Call plist/tohtml

2010-09-16 10:17  hewitson

      * @plist/tohtml.m: Make an html table of a plist. It can be used
        standalone:

        >> pl.tohtml

        or in another document with

        >> txt = pl.tohtml;

2010-09-16 10:07  hewitson

      * @plist/setName.m: I don't really see why we are restricting the
        name on a plist, but anyway I've increased it to 200 characters.

2010-09-16 09:04  hewitson

      * +utils/@models/: getDescription.m, processModelInputs.m: Some bug
        fixes to properly handle the model descriptions for each version.

2010-09-16 07:02  mauro

      * @ao/curvefit.m: Fixed typo in deprecation warning text

2010-09-15 18:17  hewitson

      * +utils/@models/getDefaultPlist.m: Bug fix. Make sure we return
        the default version in the case it's not specified.

2010-09-15 15:20  anneke

      * @ao/mean.m: changed dy to the uncertainty of the mean
```

2010-09-15 12:29 hewitson

	* +utils/@models/: getDefaultPlist.m, getDescription.m, getInfo.m,
	  processModelInputs.m: Some updates and fixes. Models can now
	  respond to a 'doc' call.

2010-09-14 12:18 marc1

	* +utils/@math/loglikehood_ssm.m: adapted for MCMC analysis with
	  STOC Exercice 6 data and with SSM models

2010-09-14 12:17 marc1

	* @matrix/mcmc.m: adapted for MCMC analysis with SSM models

2010-09-13 17:08 marc1

	* @ssm/setParameters.m: semicolon added (to avoid system printing)
	  after a call to the function

2010-09-13 17:08 marc1

	* @ssm/doBode.m: warning suppressed

2010-09-13 17:07 marc1

	* @ssm/bode.m: avoid checking of stability, the user is supposed to
	  check it beforehand (lines are commented)

2010-09-10 23:12 mauro

	* @ao/ao.m: Declare setDy and setDx as public methods

2010-09-10 13:23 hewitson

	* +utils/@models/: functionForVersion.m, getDefaultPlist.m,
	  getDescription.m, getInfo.m, models.m, processModelInputs.m:
	  Starting to put in place some utilities for making the new style
	  of built-in models.

2010-09-10 12:14 mauro

	* @ao/timeshift.m: There is no need to clear the errors when only
	  shifting the time origin, I think.

2010-09-10 12:09 mauro

	* @ao/rotate.m: Use the object.method syntax

2010-09-10 11:47 miquel

	* @ao/iplot.m: introduced parameter in plist 'LegendFontSize' which
	  allows setting precisely that.

2010-09-10 11:11 miquel

	* @ao/filtSubtract.m: - introduce parameter to cut filter transient
	  - set correct t0 according to split - adding filter to procinfo

2010-09-10 11:03 hewitson

	* @plist/ltp_parameters.m: Syntax bug fix

2010-09-10 06:58 mauro

	* @ao/timeshift.m: Use time/double method

2010-09-09 07:06 mauro

	* @ao/rotate.m: The multiple output syntax was breaking the
	  history. Switch to vector output.

2010-09-08 13:39 adrien

	* @ssm/doSimulate.m: Major bug corrected in ssm/simulate. Noise and
	  constants were ignored in some cases!

2010-09-07 14:45 adrien

	* @ssm/: displayProperties.m, modelHelper_displayModelProperties.m,
	  ssm.m: This display function is now a user function. Name was
	  revised as much too long. It works a little differently now
	  (plist behavior and Co.). SSM models help header will need some
	  update, as the older call is broken.

2010-09-07 14:13 adrien

	* @ssm/findParameters.m: The behavior of this function is now
	  changed. It returns a plist array (instead of a cellstr). An
	  additional option allows to serch into the field numparams.

2010-09-07 10:51 eric

	* @plist/ltp_parameters.m: As many references as I know of ...

2010-09-07 08:45 eric

	* @plist/ltp_parameters.m: Introducing some reference to
	  'S2-ASD-ICD-2011_Iss14 DFACS External ICD'

2010-09-07 08:30 eric

	* @plist/ltp_parameters.m: Adding reference property. All are TBD
	  for the moment.

2010-09-06 19:07 adrien

	* +utils/@helper/obj2tex.m: Now works for many objects (double,
	  logical, char, units, ao, plist, ssm, pzmodel, rational, parfrac,
	  miir, ssmblock, cell ...). Usefull for TNs. Still some problem
	  with large ssm objects

2010-09-06 19:04 adrien

	* @ssm/ssm.m: setting name to both plists

2010-09-06 19:03 adrien

	* @ssm/modelHelper_declareParameters.m: numparams was forgotten
	  there.

2010-09-06 18:51 ingo

	* @LTPDAprefs/LTPDAprefs.m: Adding callbacks for adding and
	  removing the model paths from the MATLAB search path.

2010-09-06 13:12 hewitson

	* @ltpda_uoh/fromModel.m: support the new and old style built-in
	  models.

2010-09-06 13:12 hewitson

	* @minfo/: addChildren.m, minfo.m, setDescription.m: Two new fields
	  for minfo which allow us to have nested minfo objects together
	  with an associated description. This is part of the exploration
	  for new built-in models.

2010-09-03 19:47 adrien

	* +utils/@helper/: helper.m, obj2tex.m: This is an attempt to
	  convert objects to a TeX string. Needs some debug.

2010-09-03 19:46 adrien

	* @plist/: ltp_parameters.m, plist.m: Corrected a bug, and added
	  some interface.

2010-09-03 13:55 ingo

	* @LTPDAworkbench/lib.mat: update library

2010-09-02 18:35 adrien

	* @ssm/: assemble.m, blockMatMult.m, ssm.m, validate.m: This solves
	  so far the vulneability of the SSM objects. - the function
	  statesizes was rewritten as some cases were skipped out so far.
	  The search is now exhaustive. - the error is dected at the
	  source, ie in ssm/inputsizes and ssm/outputsizes instead of
	  ssm/validate. - models with 0 state are not allowed to have 0
	  output but 1+ input or 0 input but 1+ output. This makes an
	  error. Consequenctly - the empty ssm is accepted - all
	  meaningful models are accepted - assemble only crashes if
	  there is one output, no state, and all the inputs are in the
	  loop. Meaning, in this case, that assembling the model was
	  useless anyway - ssm.blockMatMult takes the matrix sizes so it
	  is able to generate a m*n matrix by multiplying a m*0 and a 0*n
	  matrix.

2010-09-02 18:28 adrien

	* @ssm/append.m: Now also appends the numparams field

2010-09-01 15:57 ingo

	* @ao/search.m: Add history to the ao/search method

2010-08-31 16:37 mauro

	* @ao/split.m: Bug fix: the previous fix made some light on another
	  issue.

2010-08-31 16:21 adrien

	* @ssmblock/ssmblock.m: deprecation warning for ssmblock/resplit,
	  which is not used anymore.

2010-08-31 16:21 adrien

	* @ssm/ssm.m: update of the methods declaration. Update of header

2010-08-31 16:20 adrien

	* @ssm/simplify.m: Same here : ssm must have some inputs and
	  outputs.

2010-08-31 16:19 adrien

	* @ssm/validate.m: ssm objects with no inputs/outputs are not
	  validated. No exception is made for the ssm() object, but it
	  never goes through this function.

2010-08-31 16:18 adrien

	* @ssm/: setBlockDescriptions.m, setBlockNames.m,
	  setBlockProperties.m, setPortProperties.m, setPortDescriptions.m,
	  setPortNames.m, setPortUnits.m: Two functions will replace these
	  five in the long run. A deprecation warning was added. Indexing
	  of ports/blocks is more in-line with the rest of the ssm in the
	  new functions.

2010-08-31 16:16 adrien

	* @ssm/modelHelper_displayModelProperties.m: Now also displays the
	  numparams plist

2010-08-31 16:16 adrien

	* @ssm/modelHelper_declareParameters.m: Now also builds the
	  numparams plist

2010-08-31 16:15 adrien

	* @ssm/kalman.m: Better handling of "reorganize" case : takes two
	  ssm objects in.

2010-08-31 16:14 adrien

	* @ssm/doSimulate.m: Added comments in code

2010-08-31 16:13 adrien

	* @ssm/blockMatMult.m: Proper implementation in case of empty
	  matrix multiplication

2010-08-31 15:19 congedo

	* @ao/xfit.m: no message

2010-08-31 10:23 hewitson

	* @LTPDAprefs/LTPDAprefs.m: Updated help to show convenience
	  accessors.

2010-08-31 10:22 hewitson

	* @LTPDAprefs/LTPDAprefs.m: Added again the ability to set
	  preferences by the command-line. Removed some and added some
	  possibilities. Also added all convenience getters for the
	  properties.

2010-08-31 08:21 mauro

	* @ao/split.m: Bug fix: we were summing seconds to millisecond.
	  Solved by calling time/double Cosmetic changes

2010-08-31 07:43 mauro

	* @ao/fromDatafile.m: Horrible bug fixed.

2010-08-30 18:48 ingo

	* @plist/plist.m: Add some keys to the SAVE_OBJ_PLIST plist
	  factory: postfix: Add this postfix to the filename prefix: Add
	  this prefix to the filename individual files: (Default = false)
	  Saves the objects into individual files.

2010-08-30 18:47 ingo

	* @ltpda_uo/save.m: Add the functionality for the new PLIST keys:
	  postfix: Adds a postfix to the filename prefix: Add a prefix to
	  the filename individual files: If true then saves this method the
	  objects into individual files.

	  Add a new rule how to get the filename: 1. Use the filename from
	  the PLIST 2. Use the input string as the filename 3. Use the
	  object name and the current folder for the filename Must be
	  defined for each object. 4. If there are more than one input
	  objects and the 'individual files' Switch is false then use
	  the variable name.

2010-08-30 09:26 hewitson

	* @plist/plist.m: A bug sneaked in here during the conversion to
	  the new preferences. We can't have a plist with options where the
	  options are empty but the default index is 1. So if there are no
	  repositories specified at the user level, we create a single

```
        'localhost' repository as the default.

        This default repository used to have a hostname '' - is that
        better?

2010-08-30 00:20  nicolodi

      * @time/: minus.m, plus.m: Semplify.

2010-08-29 22:52  nicolodi

      * @time/: display.m, minus.m: display.m

2010-08-27 15:09  adrien

      * @ssm/: PSD.m, addParameters.m, doSimulate.m, keepParameters.m,
        parameterDiff.m, reshuffleSym.m, setBlockDescriptions.m,
        setBlockNames.m, setParameters.m, setParams.m,
        setPortDescriptions.m, setPortNames.m, simplify.m, simulate.m,
        ssm.m, ssm2dot.m, ssmFromMiir.m, ssmFromPzmodel.m, ssmFromss.m,
        steadyState.m, subsParameters.m, CPSD.m, doBode.m, doSimplify.m,
        double.m, duplicateInput.m, findParameters.m, getParameters.m,
        modifyTimeStep.m, noiseSpectrum.m, reorganize.m, resp.m,
        sMinReal.m, setPortUnits.m, ssm2miir.m, ssm2pzmodel.m,
        ssm2rational.m, ssm2ss.m, ssmFromDescription.m, ssmFromParfrac.m,
        ssmFromRational.m: These functions all accept now the input of
        type foo('key1', val1, 'key2', val2). As a consequence some
        particuliar input behaviour were broken and were removed. Scripts
        may need be updated.

2010-08-27 15:07  adrien

      * @ssm/respcst.m: This function is now based on the template of
        resp

2010-08-27 15:07  adrien

      * @ssm/getMatrixSelection.m: This function will be removed, sends
        an error message now.

2010-08-27 15:04  adrien

      * @ssm/bodecst.m: Bodecst is now based on bode (except numerical
        calculation)

2010-08-27 15:03  adrien

      * @ssm/bode.m: Speeding up of how the outpus are set

2010-08-27 15:03  adrien

      * @ssm/blockMatIndexSym.m: This function is not useful

2010-08-27 15:02  adrien

      * @ssm/: blockMatAdd.m, blockMatFillDiag.m, blockMatFusion.m,
        blockMatIndex.m, blockMatIndexSym.m, blockMatMult.m,
        blockMatPrune.m, blockMatRecut.m: Updated block-matrix arithmetic

2010-08-27 15:02  adrien

      * @ssm/kalman.m: Now uses ssm/doSimulate so the mex file is also
        used for this function

2010-08-27 15:01  adrien

      * @ssm/validate.m: adapting call to name setter

2010-08-27 14:59  adrien

      * @ssmblock/ssmblock.m: Modified class to adapt the ssmport
        changes. Factory constructors, name setting methods, search
```

```
        methods were modified. Some useless unmaintained constructors
        were removed, as the factors constructors do all the necessary
        job anyway.

2010-08-27 14:55  adrien

      * @ssmblock/: containsPort.m, findPorts.m, getPortsAtIndices.m,
        getPortsWithName.m, makePortIndex.m: These functions now return
        an error.  They are double of existing functions, unused and
        methods of a non-user object.  User call are implemented at the
        ssm level.

2010-08-27 14:54  adrien

      * @ssmport/ssmport.m: New funtion modifyBlockName(port, oldName,
        newName) and modified setName to set the ssmport names

2010-08-27 14:53  adrien

      * @ssmport/char.m: New ssmport display for new naming system

2010-08-27 14:53  adrien

      * @ssmblock/char.m: New ssmblock display, more compact

2010-08-26 17:08  ingo

      * @LTPDAprefs/: cb_categorySelect.m, getPrefsPlist.m: [no log
        message]

2010-08-26 17:04  ingo

      * @paramValue/paramValue.m: Don't make a case sensitive search for
        the default window.

2010-08-26 16:07  ingo

      * @cdata/cdata.m: A cdata object should also accepts logicals. This
        is necessary for the logical methods: or, and, xor

2010-08-26 16:06  ingo

      * @LTPDAworkbench/LTPDAworkbench.m: Remove the callback for the
        verbose level.

2010-08-26 16:05  ingo

      * @LTPDAworkbench/lib.mat: update library

2010-08-26 16:04  ingo

      * @LTPDAprefs/LTPDAprefs.m: Use the javaObjectEDT method for
        creating a java object.

2010-08-26 16:03  ingo

      * @ao/ao.m, @collection/collection.m, @filterbank/filterbank.m,
        @matrix/matrix.m, @mfir/mfir.m, @miir/miir.m, @parfrac/parfrac.m,
        @pest/pest.m, @plist/plist.m, @pzmodel/pzmodel.m,
        @rational/rational.m, @smodel/smodel.m, @ssm/ssm.m,
        @timespan/timespan.m: set different UUIDs to the objects inside
        the initObjectsWithSize method.

2010-08-26 16:00  ingo

      * +utils/+const/@msg/msg.m: update the header to the current
        verbose level

2010-08-25 18:31  nicolodi

      * @LTPDAprefs/LTPDAprefs.m: Use utility function to convert version
        string to float.
```

2010-08-25 17:05 nicolodi

	* @ao/spsd.m: Whitespace.

2010-08-25 16:49 nicolodi

	* @time/getdateform.m: Fix comment.

2010-08-25 13:26 ingo

	* @ltpda_uo/save.m: IF the user doesn't specify the filename then
	  save the object(s) as a MAT file and the variable name in the
	  current folder.

2010-08-24 19:41 eric

	* @plist/ltp_parameters.m: In this version, 'unit' has been
	  replaced by ''.

2010-08-24 19:35 eric

	* @plist/ltp_parameters.m: This the first version. Units and
	  subsystems have to be checked. min/max have to be given