Change Log for LTPDA Toolbox v1.9.2

M Hewitson 08-09-08

Introduction

This version of LTPDA contains mostly bug fixes, but some additional new features are also included. In addition, a significant amount of code profiling and cleaning has gone on resulting typically in much faster execution.

NOTE: Due to a bug* in MATLAB's saving and loading of user objects to MAT files, all LTPDA objects are now converted to structures before being saved to MAT files. This behaviour should be transparent to the user. However, it is no longer possible to load an object using MATLAB's load() command; instead you must use the relevant object constructor to load the object. This means you must know which object the structure represents, otherwise an error will result. *Because of this bug, it is possible that any LTPDA objects saved to MAT file in LTPDA v1.9.1 may not be readable!*

* http://www.mathworks.com/support/bugreports/details.html?rp=461224

Changes

1) SI Units

A new class has been introduced to handle units through the toolbox. The new class (unit) supports a long list of SI units as well as all the standard SI prefixes.

>> help units

The standard operators and many of the signal processing methods now support handling of the units.

Still to do: add support for transfer functions through pzmodels and digital filters.

2) ASCII File Reading

Some significant work has been done on the code that reads arbitrary ASCII data files via the AO constructor. A new option is introduced which causes the use of a more robust (but slower) file reader. This new robust method is used as default, but if you know that your data file is a simple format (for example, only containing columns of data), then you can set 'robust' to 'no' to load data more quickly.

3) LTPDV

The data viewer LTPDV now has a 'build objects' panel and an 'object properties' panel.

Details changes since v1.9.1

2008-09-09 19:01 hewitson

Changed:
@ltpda_uoh/type.m (1.6), "Exp", lines: +7 -4
@ao/ao.m (1.161), "Exp", lines: +4 -4

We don't need history on the empty constructor (I think).

2008-09-09 18:53 ingo

Changed:
@ltpda_uoh/fromFile.m (1.7), "Exp", lines: +8 -6

Adds the 'creator' and the 'history' for each object

2008-09-09 18:52 ingo

Changed:
@ao/fromStruct.m (1.2), "Exp", lines: +11 -5
@cdata/fromStruct.m (1.2), "Exp", lines: +11 -5
@fsdata/fromStruct.m (1.2), "Exp", lines: +11 -5
@history/fromStruct.m (1.2), "Exp", lines: +11 -5
@mfir/fromStruct.m (1.2), "Exp", lines: +6 -4
@miir/fromStruct.m (1.2), "Exp", lines: +4 -4
@minfo/fromStruct.m (1.2), "Exp", lines: +11 -5
@param/fromStruct.m (1.2), "Exp", lines: +11 -5
@plist/fromStruct.m (1.2), "Exp", lines: +11 -5
@provenance/fromStruct.m (1.2), "Exp", lines: +11 -5
@pz/fromStruct.m (1.2), "Exp", lines: +11 -5
@pzmodel/fromStruct.m (1.2), "Exp", lines: +11 -5
@specwin/fromStruct.m (1.2), "Exp", lines: +11 -5
@ssm/fromStruct.m (1.2), "Exp", lines: +11 -5
@ssm/ssm.m (1.69), "Exp", lines: +3 -14
@time/fromStruct.m (1.2), "Exp", lines: +11 -5
@timespan/fromStruct.m (1.2), "Exp", lines: +11 -5
@tsdata/fromStruct.m (1.2), "Exp", lines: +11 -5
@xydata/fromStruct.m (1.2), "Exp", lines: +11 -5
@xyzdata/fromStruct.m (1.2), "Exp", lines: +11 -5

Fix the problem if the length of a struct is larger than 1

2008-09-09 18:51 ingo

Changed:

@mfir/update_struct.m (1.4), "Exp", lines: +3 -3
@miir/update_struct.m (1.4), "Exp", lines: +3 -3
@provenance/update_struct.m (1.5), "Exp", lines: +22 -14

Add some rules to the update_struct

2008-09-09 18:40 ingo

Changed:
+utils/@helper/xmlread.m (1.11), "Exp", lines: +9 -9

Add the right toolbox version to the struct which is the input of the constructor

2008-09-09 18:40 hewitson

Changed:
@ao/join.m (1.26), "Exp", lines: +19 -14

Can work as a modifier now.

Also removed checking on the units. This is too slow. We need to find a better way to do this.

2008-09-09 18:14 hewitson

Changed:
@ltpda_uo/save.m (1.6), "Exp", lines: +5 -2

Added terminal output.

2008-09-09 18:12 hewitson

Changed:
@ao/join.m (1.25), "Exp", lines: +8 -6

A little speed-up. We should make this function a modifier so that

a.join(b)

can work.

2008-09-09 18:12 hewitson

Changed:
@ssm/simulate.m (1.28), "Exp", lines: +18 -13

Some speeding up. Not much, but a little.

2008-09-09 17:53 hewitson

Changed:
+utils/@prog/rstruct.m (1.7), "Exp", lines: +10 -8

We have to collect the structs in a cell array because they have different fields until we get to the end. Then we can turn it back into a vector of structs.

2008-09-09 16:57 adrien

Changed:
@ssm/kalman.m (1.13), "Exp", lines: +6 -4
@ssm/simulate.m (1.27), "Exp", lines: +64 -17

more i/o options (tini, lastX...), much faster loop using calling sequence for call_mult, cell_add better handling of ao properties setting

2008-09-09 16:55 adrien

Changed:
@ssm/ssm.m (1.68), "Exp", lines: +4 -4

according changes to classdef

2008-09-09 16:49 adrien

Changed:
@ssm/cell_add.m (1.3), "Exp", lines: +40 -12
@ssm/cell_mult.m (1.3), "Exp", lines: +41 -14

These functions are much faster if arrays for empty slots is provided

2008-09-09 16:46 adrien

Changed:
@ssm/validate.m (1.32), "Exp", lines: +5 -5

bug corrected : numerical means double, not symbolic numerical field.

2008-09-09 16:26 ingo

Added:
@ao/fromStruct.m (1.1)

@cdata/fromStruct.m (1.1)
@fsdata/fromStruct.m (1.1)
@history/fromStruct.m (1.1)
@mfir/fromStruct.m (1.1)
@miir/fromStruct.m (1.1)
@minfo/fromStruct.m (1.1)
@param/fromStruct.m (1.1)
@plist/fromStruct.m (1.1)
@provenance/fromStruct.m (1.1)
@pz/fromStruct.m (1.1)
@pzmodel/fromStruct.m (1.1)
@specwin/fromStruct.m (1.1)
@ssm/fromStruct.m (1.1)
@time/fromStruct.m (1.1)
@timespan/fromStruct.m (1.1)
@tsdata/fromStruct.m (1.1)
@xydata/fromStruct.m (1.1)
@xyzdata/fromStruct.m (1.1)

Changed:

@ao/ao.m (1.160), "Exp", lines: +3 -37
@cdata/cdata.m (1.48), "Exp", lines: +4 -12
@fsdata/fsdata.m (1.40), "Exp", lines: +4 -14
@history/history.m (1.43), "Exp", lines: +4 -22
@mfir/mfir.m (1.64), "Exp", lines: +6 -14
@miir/miir.m (1.76), "Exp", lines: +12 -21
@minfo/minfo.m (1.16), "Exp", lines: +4 -18
@param/param.m (1.46), "Exp", lines: +13 -28
@plist/plist.m (1.53), "Exp", lines: +4 -15
@provenance/provenance.m (1.42), "Exp", lines: +5 -27
@pz/pz.m (1.24), "Exp", lines: +4 -13
@pzmodel/pzmodel.m (1.61), "Exp", lines: +4 -16
@specwin/specwin.m (1.54), "Exp", lines: +12 -25
@time/time.m (1.58), "Exp", lines: +4 -20
@timespan/timespan.m (1.43), "Exp", lines: +4 -15
@tsdata/tsdata.m (1.58), "Exp", lines: +4 -12
@xydata/xydata.m (1.33), "Exp", lines: +4 -11
@xyzdata/xyzdata.m (1.13), "Exp", lines: +4 -9

All classes uses the generic function fromStruct if the input is a structure

2008-09-09 16:24 ingo

Changed:

@ao/update_struct.m (1.4), "Exp", lines: +17 -3
@cdata/update_struct.m (1.3), "Exp", lines: +52 -49
@fsdata/update_struct.m (1.4), "Exp", lines: +5 -1
@history/update_struct.m (1.2), "Exp", lines: +6 -2

@mfir/update_struct.m (1.3), "Exp", lines: +29 -4
@miir/update_struct.m (1.3), "Exp", lines: +25 -3
@plist/update_struct.m (1.3), "Exp", lines: +8 -1
@pzmodel/update_struct.m (1.3), "Exp", lines: +33 -3
@timespan/update_struct.m (1.3), "Exp", lines: +39 -2
@tsdata/update_struct.m (1.4), "Exp", lines: +5 -6
@xydata/update_struct.m (1.3), "Exp", lines: +4 -1
@xyzdata/update_struct.m (1.2), "Exp", lines: +69 -35
@time/update_struct.m (1.3), "Exp", lines: +1 -4

Add some rules for updating the struct which is passed into the constructor.

2008-09-09 16:22 ingo

Added:
@cdata/loadobj.m (1.1)
@fsdata/loadobj.m (1.1)
@mfir/loadobj.m (1.1)
@miir/loadobj.m (1.1)
@minfo/loadobj.m (1.1)
@pz/loadobj.m (1.1)
@pzmodel/loadobj.m (1.1)
@specwin/loadobj.m (1.1)
@ssm/loadobj.m (1.1)
@timespan/loadobj.m (1.1)
@xydata/loadobj.m (1.1)
@xyzdata/loadobj.m (1.1)
Changed:
@ao/loadobj.m (1.2), "Exp", lines: +6 -3
@history/loadobj.m (1.2), "Exp", lines: +5 -3
@param/loadobj.m (1.2), "Exp", lines: +5 -3
@plist/loadobj.m (1.2), "Exp", lines: +5 -3
@provenance/loadobj.m (1.2), "Exp", lines: +5 -3
@time/loadobj.m (1.2), "Exp", lines: +5 -3
@tsdata/loadobj.m (1.2), "Exp", lines: +5 -3

If MATLAB can not read an MAT file then it calls this loadobj file which adds the 'class' and 'tbxver' to the structure and pass this structure to the constructure.

2008-09-09 16:19 ingo

Changed:
+utils/@helper/xmlread.m (1.10), "Exp", lines: +8 -6

Add the 'class' and 'tbxver' to the structure which is passed into the constructure.

2008-09-09 16:17 ingo

Changed:
@ltpda_uoh/fromFile.m (1.6), "Exp", lines: +5 -5

Add the old history of an object to the addHistory function

2008-09-09 16:16 ingo

Deleted:
@ltpda_uo/update_struct.m (1.2)
@ltpda_uoh/update_struct.m (1.2)
Changed:
@data2D/data2D.m (1.24), "Exp", lines: +3 -31
@data3D/data3D.m (1.9), "Exp", lines: +3 -21
@ltpda_data/ltpda_data.m (1.11), "Exp", lines: +2 -7
@ltpda_filter/ltpda_filter.m (1.15), "Exp", lines: +2 -20
@ltpda_nuo/ltpda_nuo.m (1.17), "Exp", lines: +2 -7
@ltpda_obj/ltpda_obj.m (1.24), "Exp", lines: +2 -13
@ltpda_uo/ltpda_uo.m (1.25), "Exp", lines: +3 -32
@ltpda_uoh/ltpda_uoh.m (1.16), "Exp", lines: +2 -25

Remove the constructor part if the input is a structure form the superclasses.

2008-09-09 16:10 ingo

Changed:
@unit/unit.m (1.4), "Exp", lines: +4 -3

some comment

2008-09-08 20:13 ingo

Changed:
+utils/@prog/rstruct.m (1.6), "Exp", lines: +5 -3

Add class and toolbox version to the struct.

2008-09-08 20:12 ingo

Added:
@ao/loadobj.m (1.1)
@history/loadobj.m (1.1)
@ltpda_uo/update_struct.m (1.1)
@ltpda_uoh/update_struct.m (1.1)
@param/loadobj.m (1.1)

@plist/loadobj.m (1.1)
@provenance/loadobj.m (1.1)
@time/loadobj.m (1.1)
@tsdata/loadobj.m (1.1)

Changed:

@ao/ao.m (1.159), "Exp", lines: +12 -10
@ao/update_struct.m (1.3), "Exp", lines: +12 -17
@history/history.m (1.42), "Exp", lines: +8 -3
@ltpda_obj/ltpda_obj.m (1.23), "Exp", lines: +2 -3
@ltpda_uo/ltpda_uo.m (1.24), "Exp", lines: +9 -3
@ltpda_uoh/fromFile.m (1.5), "Exp", lines: +8 -4
@ltpda_uoh/ltpda_uoh.m (1.15), "Exp", lines: +14 -3
@ltpda_uoh/setName.m (1.5), "Exp", lines: +3 -2
@mfir/update_struct.m (1.2), "Exp", lines: +40 -47
@miir/update_struct.m (1.2), "Exp", lines: +38 -46
@param/param.m (1.45), "Exp", lines: +13 -6
@param/update_struct.m (1.2), "Exp", lines: +1 -9
@plist/plist.m (1.52), "Exp", lines: +11 -16
@plist/update_struct.m (1.2), "Exp", lines: +34 -35
@provenance/provenance.m (1.41), "Exp", lines: +19 -14
@time/time.m (1.57), "Exp", lines: +8 -3
@time/update_struct.m (1.2), "Exp", lines: +37 -37
@pz/update_struct.m (1.3), "Exp", lines: +16 -15
@pzmodel/update_struct.m (1.2), "Exp", lines: +35 -42
@specwin/update_struct.m (1.2), "Exp", lines: +38 -38
@ssm/update_struct.m (1.3), "Exp", lines: +34 -34
@timespan/update_struct.m (1.2), "Exp", lines: +33 -33

New part to update the struct. NOT FINISHED.

2008-09-08 20:10 ingo

Changed:

+utils/@helper/struct2obj.m (1.3), "Exp", lines: +2 -13

Replace some code with the function utils.helper.classFromStruct

2008-09-08 14:37 ingo

Changed:

@ltpda_uoh/fromFile.m (1.4), "Exp", lines: +40 -11

Add history step to the part 'from XML File' and set the creator to the current user. NOTICE: setCreator doesn't set the history?!

2008-09-08 14:03 hewitson

Added:

@ltpda_uoh/rebuild.m (1.1)

Rebuild input objects by executing all commands in the history.

2008-09-08 13:21 ingo

Changed:
@ao/fromDatafile.m (1.6), "Exp", lines: +48 -41

Bug fix: Solves the problem with hang up of reading data files. Textscan hangs if the parameter 'CommentStyle' is used with an empty value ''.

2008-09-08 11:40 hewitson

Changed:
@ltpda_uoh/fromFile.m (1.3), "Exp", lines: +9 -2
@plist/fromFile.m (1.2), "Exp", lines: +10 -3

Checks the type of object in the structure and gives appropriate errors.

2008-09-08 11:32 hewitson

Changed:
+utils/@helper/helper.m (1.15), "Exp", lines: +2 -1

Added new method.

2008-09-08 11:31 hewitson

Added:
+utils/@helper/classFromStruct.m (1.1)

Returns the LTPDA class that matches the structure.

2008-09-08 11:00 hewitson

Changed:
@ao/ao2m.m (1.26), "Exp", lines: +2 -2

This should have no output.

2008-09-08 10:31 hewitson

Changed:
@ao/max.m (1.13), "Exp", lines: +15 -10
@ao/min.m (1.14), "Exp", lines: +15 -10

Works with cdata which has no x. In principle we need better error checking since the user could ask for min/max along x for a cdata.

2008-09-08 10:31 hewitson

Changed:
@ao/interpmissing.m (1.12), "Exp", lines: +4 -4

getX always returns a column now so we need to concatenate differently.

2008-09-08 10:30 hewitson

Changed:
@ao/ifft.m (1.11), "Exp", lines: +3 -3

Fixed output y units to be a valid unit.

2008-09-08 10:30 hewitson

Changed:
@history/history.m (1.41), "Exp", lines: +4 -4

I think we can go back to an empty vector as the default since this didn't fix the save/load as I thought.

2008-09-08 10:30 hewitson

Changed:
@ao/firwhiten.m (1.10), "Exp", lines: +3 -3

For multiple inputs, the input histories need to be placed in a vector before passing to copy.

2008-09-08 10:29 hewitson

Changed:
@data3D/data3D.m (1.8), "Exp", lines: +12 -6

Added support for new unit class.

2008-09-08 10:28 hewitson

Changed:
@unit/unit.m (1.3), "Exp", lines: +1 -1

Fix for multi-character units that contain a prefix letter. For

example, kg should not be interpreted as 1e3 g.

2008-09-07 20:16 hewitson

Changed:
@unit/unit.m (1.2), "Exp", lines: +5 -4

A simple copy constructor which works for now, but we need a copy method, I guess.

2008-09-07 20:16 hewitson

Changed:
@ssm/ssm.m (1.67), "Exp", lines: +9 -15

Uses ltpda_uoh/fromFile as all other user objects. Also works from struct.

2008-09-07 20:15 hewitson

Changed:
@plist/plist.m (1.51), "Exp", lines: +19 -16

just calls fromFile now in the constructor.

2008-09-07 20:15 hewitson

Changed:
@ltpda_uo/save.m (1.5), "Exp", lines: +3 -2

Always save objects as structs. This is the only way to avoid the nasty bug in MATLAB 2008a. This bug seems to be fixed in 2008b, so we can put a switch in on the version later.

This means that objects must be loaded via a constructor, since using MATLAB's load directly will result in a struct, not an object.

In some sense this is nicer, we can put the backwards compatibility stuff in here.

2008-09-07 20:13 hewitson

Added:
@plist/fromFile.m (1.1)

Added file loading support for plists.

2008-09-07 20:13 hewitson

    Changed:
        @ltpda_uoh/fromFile.m (1.2), "Exp", lines: +7 -3

    Now can load ltpda objects that were saved as structs.

2008-09-07 20:11 hewitson

    Changed:
        @cdata/cdata.m (1.47), "Exp", lines: +4 -4
        @data2D/data2D.m (1.23), "Exp", lines: +4 -4

    Added unit support to struct constructor.

2008-09-07 20:11 hewitson

    Changed:
        @ao/ao.m (1.158), "Exp", lines: +7 -5

    Constructs from struct now.

        Fixes to copy constructor.

2008-09-07 20:08 hewitson

    Changed:
        @ao/fromFSfcn.m (1.12), "Exp", lines: +4 -2

    Uses LTPDA message system now.

2008-09-07 20:08 hewitson

    Changed:
        @ao/fromDatafile.m (1.5), "Exp", lines: +8 -7

    Some more bug fixing. I think this is working now, apart from the
    strange hangs we sometimes see.

2008-09-07 13:09 hewitson

    Changed:
        @ao/fromPzmodel.m (1.11), "Exp", lines: +6 -3

    A couple of bug fixes, but this still doesn't work.

2008-09-07 13:00 hewitson

Changed:
@ao/ao.m (1.157), "Exp", lines: +4 -3

Two bugs fixed:

1) We should copy the input plists, otherwise we change the users input plists.

2) when an empty plist is passed, we call the empty constructor so that the history is added.

2008-09-07 12:56 hewitson

Changed:
@ao/ao.m (1.156), "Exp", lines: +3 -3

Bug fix in empty constructor.

2008-09-07 12:54 hewitson

Changed:
@param/display.m (1.36), "Exp", lines: +7 -2

Added support for unit class.

2008-09-07 12:48 hewitson

Changed:
@pzmodel/pzmodel.m (1.60), "Exp", lines: +14 -5
@ssm/ssm.m (1.66), "Exp", lines: +25 -3
@timespan/timespan.m (1.42), "Exp", lines: +14 -5

Bug fixes and other fixes to copy constructors.

2008-09-07 12:27 hewitson

Changed:
@mfir/mfir.m (1.63), "Exp", lines: +4 -4
@miir/miir.m (1.75), "Exp", lines: +14 -4

More bug fixing to copy constructor.

2008-09-07 09:05 hewitson

Changed:
@mfir/mfir.m (1.62), "Exp", lines: +15 -5

Extended copy constructor so that

f = mfir(f1, f2, f3)

works.

Also allow the case

f = mfir(f1, plist)

which happens since we add empty history now.

I guess this happens in many places.

2008-09-06 17:23 hewitson

Changed:
@ao/abs.m (1.33), "Exp", lines: +2 -2

Fixed the category.

2008-09-06 14:24 hewitson

Changed:
@ltpda_obj/ltpda_obj.m (1.22), "Exp", lines: +3 -3

A bug in MATLAB means that if we declare a property abstract then set it in child classes, converting to a struct doesn't work.

So for now, version is not declared, and we must be careful to include it in all classes.

2008-09-06 14:23 hewitson

Changed:
@history/history.m (1.40), "Exp", lines: +4 -4

plistUsed has a default empty plist now.

I've been playing detective for an hour.

I've determined that the saving to MAT files breaks for ao/xydata between 15:00 and 15:45 on 4th Sept.

The changes in that time are to the plists given to addHistory.

In particular, in ao constructor on line 628 Ingo changed

a.addHistory(ao.getInfo('ao', 'None'), plist,
[], []);

to

a.addHistory(ao.getInfo('ao', 'None'), [], [],
[]);

this breaks the saving.

I've no idea why. It is kind of understandable. We saw problems only with the xydata and we can only make AOs with xydata by calling

ao(xydata)

which goes to this part of the constructor.

Setting the plistUsed default value to an empty plist in history() fixes this. No idea why.

2008-09-06 12:20 hewitson

Changed:
+utils/@helper/ltpda_classes.m (1.3), "Exp", lines: +2 -1

Added unit class.

2008-09-05 17:22 luigi

Added:
+utils/@math/fpsder.m (1.1)

A function for the calculation of the five points stencil numerical derivative. It implements a general method. Special cases are the parabolic fit approximation and the Taylor series expansion. Switching between the methods is simply performed by input a different coefficient

2008-09-05 16:24 hewitson

Changed:
@ao/welchscale.m (1.5), "Exp", lines: +3 -3

Uses proper arithmatic methods.

2008-09-05 16:17 hewitson

Changed:
@cdata/display.m (1.14), "Exp", lines: +4 -3

Also displays yunits now.

2008-09-05 16:17 hewitson

Changed:
@pzmodel/fngen.m (1.10), "Exp", lines: +3 -3

Empty unit on the y-axis.

2008-09-05 16:17 hewitson

Changed:
@history/hist2m.m (1.30), "Exp", lines: +5 -3

Added support for new unit class.

2008-09-05 16:17 hewitson

Changed:
@history/plot.m (1.27), "Exp", lines: +22 -20

All blocks in the history show the proper method name instead of a replacement symbol - this is clearer, I think.

2008-09-05 16:16 hewitson

Changed:
@cdata/cdata.m (1.46), "Exp", lines: +8 -9
@cdata/setYunits.m (1.4), "Exp", lines: +3 -3
@data2D/data2D.m (1.22), "Exp", lines: +14 -16
@data2D/setXunits.m (1.6), "Exp", lines: +6 -6
@data2D/setYunits.m (1.6), "Exp", lines: +6 -6

Update to new unit class.

2008-09-05 16:16 hewitson

Changed:
@cdata/update_struct.m (1.2), "Exp", lines: +29 -13
@fsdata/update_struct.m (1.3), "Exp", lines: +38 -12
@minfo/update_struct.m (1.2), "Exp", lines: +6 -6
@tsdata/update_struct.m (1.3), "Exp", lines: +30 -12
@xydata/update_struct.m (1.2), "Exp", lines: +28 -12

Updated to new version numbering and to deal with the new unit

class.

2008-09-05 16:15 hewitson

Changed:
@ao/setXunits.m (1.9), "Exp", lines: +3 -3
@ao/setYunits.m (1.9), "Exp", lines: +3 -3

default plist values change to unit class.

2008-09-05 16:15 hewitson

Changed:
@ao/mdc1_ifo2acc_inloop.m (1.10), "Exp", lines: +5 -2
@ao/mdc1_ifo2control.m (1.8), "Exp", lines: +6 -2

Set output units now.

We could also check the input units!

2008-09-05 16:14 hewitson

Changed:
@ao/iplot.m (1.48), "Exp", lines: +17 -17

Changes to work with the new unit class and some work on the x and y labels.

2008-09-05 16:14 hewitson

Changed:
@ao/dft.m (1.13), "Exp", lines: +3 -3
@ao/lpsd.m (1.13), "Exp", lines: +5 -4
@ao/spectrogram.m (1.10), "Exp", lines: +3 -3
@ao/welchscale.m (1.4), "Exp", lines: +3 -3
@ao/xcorr.m (1.5), "Exp", lines: +3 -3

Uses the new unit class.

2008-09-05 16:13 hewitson

Changed:
@ao/complex.m (1.22), "Exp", lines: +6 -4

Can only make complex data from two data series with the same yunits.

Is this right?

2008-09-05 16:13 hewitson

Changed:
@ao/applyoperator.m (1.18), "Exp", lines: +10 -6

Fixing up the unit stuff to work with the new class.

2008-09-05 16:12 hewitson

Changed:
@ao/ao.m (1.155), "Exp", lines: +4 -4

Default units in From ASCII File plist changed to use new unit class.

2008-09-05 16:11 hewitson

Changed:
@ao/abs.m (1.32), "Exp", lines: +11 -11
@ao/exp.m (1.23), "Exp", lines: +11 -11
@ao/ln.m (1.17), "Exp", lines: +11 -11
@ao/log.m (1.22), "Exp", lines: +11 -11
@ao/log10.m (1.19), "Exp", lines: +11 -11

Don't work yet with the new unit stuff.

Not sure it even makes sense to change the units when taking a log.

2008-09-05 16:10 hewitson

Changed:
+utils/@helper/objdisp.m (1.10), "Exp", lines: +8 -4

Now displays empty cell-array as well.

2008-09-05 16:10 hewitson

Added:
@unit/char.m (1.1)
@unit/copy.m (1.1)
@unit/display.m (1.1)
@unit/mpower.m (1.1)
@unit/mrdivide.m (1.1)
@unit/mtimes.m (1.1)
@unit/plus.m (1.1)
@unit/power.m (1.1)

@unit/rdivide.m (1.1)
@unit/sqrt.m (1.1)
@unit/string.m (1.1)
@unit/times.m (1.1)
@unit/unit.m (1.1)
@unit/update_struct.m (1.1)

A new unit class for dealing with units instead of using the symbolic math stuff.

2008-09-05 15:55 ingo

Changed:
@ao/ao2m.m (1.25), "Exp", lines: +2 -2

Return the minfo object for the getInfo command

2008-09-05 15:55 ingo

Added:
@ao/fs.m (1.1)
@ao/t0.m (1.1)
@ao/x.m (1.1)
@ao/xunits.m (1.1)
@ao/y.m (1.1)
@ao/yunits.m (1.1)
Changed:
@ao/ao.m (1.154), "Exp", lines: +8 -20

Move the getterfunction into their own file and add the getInfo part.

2008-09-05 13:15 ingo

Changed:
@ao/complex.m (1.21), "Exp", lines: +2 -2
@ao/conj.m (1.23), "Exp", lines: +2 -2
@ao/ctranspose.m (1.25), "Exp", lines: +2 -2
@ao/det.m (1.24), "Exp", lines: +2 -2
@ao/diag.m (1.25), "Exp", lines: +2 -2
@ao/eig.m (1.26), "Exp", lines: +2 -2
@ao/exp.m (1.22), "Exp", lines: +2 -2
@ao/imag.m (1.12), "Exp", lines: +2 -2
@ao/inv.m (1.22), "Exp", lines: +2 -2
@ao/ln.m (1.16), "Exp", lines: +2 -2
@ao/log.m (1.21), "Exp", lines: +2 -2
@ao/log10.m (1.18), "Exp", lines: +2 -2
@ao/max.m (1.12), "Exp", lines: +2 -2

@ao/mean.m (1.24), "Exp", lines: +2 -2
@ao/median.m (1.19), "Exp", lines: +2 -2
@ao/min.m (1.13), "Exp", lines: +2 -2
@ao/mode.m (1.9), "Exp", lines: +2 -2
@ao/norm.m (1.22), "Exp", lines: +2 -2
@ao/phase.m (1.12), "Exp", lines: +2 -2
@ao/real.m (1.11), "Exp", lines: +2 -2
@ao/sign.m (1.7), "Exp", lines: +2 -2
@ao/sort.m (1.10), "Exp", lines: +2 -2
@ao/sqrt.m (1.24), "Exp", lines: +2 -2
@ao/std.m (1.18), "Exp", lines: +2 -2
@ao/sum.m (1.15), "Exp", lines: +2 -2
@ao/svd.m (1.19), "Exp", lines: +2 -2
@ao/transpose.m (1.22), "Exp", lines: +2 -2
@ao/uminus.m (1.7), "Exp", lines: +2 -2
@ao/var.m (1.18), "Exp", lines: +2 -2
@ao/zeropad.m (1.11), "Exp", lines: +2 -2

bug fix: using utils.const.categories.op instead of
utils.const.categories.operator

2008-09-05 13:05 ingo

Changed:
@ao/abs.m (1.31), "Exp", lines: +2 -2
@ao/acos.m (1.19), "Exp", lines: +2 -2
@ao/asin.m (1.16), "Exp", lines: +2 -2
@ao/atan.m (1.16), "Exp", lines: +2 -2
@ao/atan2.m (1.8), "Exp", lines: +2 -2
@ao/attachm.m (1.14), "Exp", lines: +2 -2
@ao/attachmdl.m (1.14), "Exp", lines: +2 -2
@ao/cat.m (1.14), "Exp", lines: +2 -2
@ao/char.m (1.18), "Exp", lines: +2 -2
@ao/cohere.m (1.10), "Exp", lines: +2 -2
@ao/complex.m (1.20), "Exp", lines: +2 -2
@ao/compute.m (1.11), "Exp", lines: +2 -2
@ao/conj.m (1.22), "Exp", lines: +2 -2
@ao/consolidate.m (1.14), "Exp", lines: +2 -2
@ao/cos.m (1.15), "Exp", lines: +1 -1
@ao/cpsd.m (1.9), "Exp", lines: +2 -2
@ao/ctranspose.m (1.24), "Exp", lines: +2 -2
@ao/delay.m (1.12), "Exp", lines: +2 -2
@ao/demux.m (1.13), "Exp", lines: +2 -2
@ao/det.m (1.23), "Exp", lines: +2 -2
@ao/detrend.m (1.10), "Exp", lines: +3 -3
@ao/dft.m (1.12), "Exp", lines: +2 -2
@ao/diag.m (1.24), "Exp", lines: +2 -2
@ao/diff.m (1.10), "Exp", lines: +2 -2

@ao/display.m (1.30), "Exp", lines: +2 -2
@ao/dopplercorr.m (1.6), "Exp", lines: +2 -2
@ao/downsample.m (1.15), "Exp", lines: +2 -2
@ao/dropduplicates.m (1.10), "Exp", lines: +2 -2
@ao/dsmean.m (1.9), "Exp", lines: +2 -2
@ao/eig.m (1.25), "Exp", lines: +2 -2
@ao/exp.m (1.21), "Exp", lines: +2 -2
@ao/export.m (1.15), "Exp", lines: +2 -2
@ao/extractm.m (1.7), "Exp", lines: +2 -2
@ao/extractmdl.m (1.7), "Exp", lines: +2 -2
@ao/fft.m (1.26), "Exp", lines: +2 -2
@ao/filter.m (1.40), "Exp", lines: +2 -2
@ao/filtfilt.m (1.27), "Exp", lines: +2 -2
@ao/find.m (1.22), "Exp", lines: +2 -2
@ao/firwhiten.m (1.9), "Exp", lines: +2 -2
@ao/fixfs.m (1.11), "Exp", lines: +2 -2
@ao/fngen.m (1.17), "Exp", lines: +2 -2
@ao/gapfilling.m (1.5), "Exp", lines: +2 -2
@ao/ge.m (1.14), "Exp", lines: +2 -2
@ao/gt.m (1.14), "Exp", lines: +2 -2
@ao/hist.m (1.23), "Exp", lines: +2 -2
@ao/ifft.m (1.10), "Exp", lines: +2 -2
@ao/imag.m (1.11), "Exp", lines: +2 -2
@ao/index.m (1.17), "Exp", lines: +2 -2
@ao/interp.m (1.24), "Exp", lines: +2 -2
@ao/interpmissing.m (1.11), "Exp", lines: +2 -2
@ao/inv.m (1.21), "Exp", lines: +2 -2
@ao/iplot.m (1.47), "Exp", lines: +2 -2
@ao/join.m (1.24), "Exp", lines: +2 -2
@ao/lcohere.m (1.7), "Exp", lines: +2 -2
@ao/lcpsd.m (1.7), "Exp", lines: +2 -2
@ao/le.m (1.15), "Exp", lines: +2 -2
@ao/len.m (1.19), "Exp", lines: +2 -2
@ao/lincom.m (1.9), "Exp", lines: +2 -2
@ao/linedetect.m (1.3), "Exp", lines: +2 -2
@ao/ln.m (1.15), "Exp", lines: +2 -2
@ao/log.m (1.20), "Exp", lines: +2 -2
@ao/log10.m (1.17), "Exp", lines: +2 -2
@ao/lpsd.m (1.12), "Exp", lines: +2 -2
@ao/lt.m (1.15), "Exp", lines: +2 -2
@ao/ltf_plan.m (1.4), "Exp", lines: +2 -2
@ao/ltfe.m (1.6), "Exp", lines: +2 -2
@ao/max.m (1.11), "Exp", lines: +2 -2
@ao/md5.m (1.12), "Exp", lines: +2 -2
@ao/mdc1_ifo2acc_fd.m (1.4), "Exp", lines: +2 -2
@ao/mdc1_ifo2acc_inloop.m (1.9), "Exp", lines: +2 -2
@ao/mdc1_ifo2control.m (1.7), "Exp", lines: +2 -2
@ao/mdc1_input_noises.m (1.3), "Exp", lines: +2 -2

@ao/mdc1_x2acc.m (1.7), "Exp", lines: +2 -2
@ao/mean.m (1.23), "Exp", lines: +2 -2
@ao/median.m (1.18), "Exp", lines: +2 -2
@ao/min.m (1.12), "Exp", lines: +2 -2
@ao/minus.m (1.24), "Exp", lines: +2 -2
@ao/mode.m (1.8), "Exp", lines: +2 -2
@ao/mpower.m (1.24), "Exp", lines: +2 -2
@ao/mrdivide.m (1.24), "Exp", lines: +2 -2
@ao/mtimes.m (1.28), "Exp", lines: +2 -2
@ao/norm.m (1.21), "Exp", lines: +2 -2
@ao/phase.m (1.11), "Exp", lines: +2 -2
@ao/plot.m (1.36), "Exp", lines: +2 -2
@ao/plus.m (1.37), "Exp", lines: +2 -2
@ao/polyfit.m (1.18), "Exp", lines: +2 -2
@ao/power.m (1.22), "Exp", lines: +2 -2
@ao/psd.m (1.6), "Exp", lines: +2 -2
@ao/rdivide.m (1.24), "Exp", lines: +2 -2
@ao/real.m (1.10), "Exp", lines: +2 -2
@ao/resample.m (1.30), "Exp", lines: +2 -2
@ao/rms.m (1.9), "Exp", lines: +2 -2
@ao/search.m (1.4), "Exp", lines: +2 -2
@ao/select.m (1.26), "Exp", lines: +2 -2
@ao/setDescription.m (1.7), "Exp", lines: +2 -2
@ao/setFs.m (1.6), "Exp", lines: +2 -2
@ao/setT0.m (1.6), "Exp", lines: +2 -2
@ao/setX.m (1.6), "Exp", lines: +2 -2
@ao/setXY.m (1.6), "Exp", lines: +2 -2
@ao/setXunits.m (1.8), "Exp", lines: +2 -2
@ao/setY.m (1.6), "Exp", lines: +2 -2
@ao/setYunits.m (1.8), "Exp", lines: +2 -2
@ao/setZ.m (1.6), "Exp", lines: +2 -2
@ao/sign.m (1.6), "Exp", lines: +2 -2
@ao/sin.m (1.23), "Exp", lines: +2 -2
@ao/smoother.m (1.12), "Exp", lines: +2 -2
@ao/sort.m (1.9), "Exp", lines: +2 -2
@ao/spectrogram.m (1.9), "Exp", lines: +2 -2
@ao/spikecleaning.m (1.6), "Exp", lines: +2 -2
@ao/split.m (1.56), "Exp", lines: +2 -2
@ao/sqrt.m (1.23), "Exp", lines: +2 -2
@ao/std.m (1.17), "Exp", lines: +2 -2
@ao/string.m (1.10), "Exp", lines: +2 -2
@ao/sum.m (1.14), "Exp", lines: +2 -2
@ao/svd.m (1.18), "Exp", lines: +2 -2
@ao/tan.m (1.15), "Exp", lines: +2 -2
@ao/tfe.m (1.6), "Exp", lines: +2 -2
@ao/timedomainfit.m (1.6), "Exp", lines: +2 -2
@ao/times.m (1.25), "Exp", lines: +2 -2
@ao/timeshift.m (1.11), "Exp", lines: +2 -2

@ao/transpose.m (1.21), "Exp", lines: +2 -2
@ao/uminus.m (1.6), "Exp", lines: +2 -2
@ao/upsample.m (1.12), "Exp", lines: +2 -2
@ao/validate.m (1.6), "Exp", lines: +2 -2
@ao/var.m (1.17), "Exp", lines: +2 -2
@ao/xcorr.m (1.4), "Exp", lines: +2 -2
@ao/zeropad.m (1.10), "Exp", lines: +2 -2

Replace the category strings for the minfo-class with the constants in the utils.const.categories package.

2008-09-05 12:35 mauro

Changed:
+utils/+const/@physics/physics.m (1.3), "Exp", lines: +2 -2

Updated constant name.

2008-09-05 12:26 mauro

Changed:
+utils/+const/@physics/physics.m (1.2), "Exp", lines: +6 -5

Updated list

2008-09-05 08:55 hewitson

Changed:
@ao/applyoperator.m (1.17), "Exp", lines: +6 -2

Allow adding and subtracting constants while preserving the units.

2008-09-04 17:33 ingo

Changed:
@minfo/setMversion.m (1.3), "Exp", lines: +2 -2

typo error

2008-09-04 17:29 ingo

Changed:
@cdata/applymethod.m (1.4), "Exp", lines: +2 -2
@cdata/applyoperator.m (1.8), "Exp", lines: +2 -2
@cdata/char.m (1.9), "Exp", lines: +2 -2
@cdata/display.m (1.13), "Exp", lines: +2 -2
@cdata/getY.m (1.2), "Exp", lines: +2 -2
@cdata/setY.m (1.2), "Exp", lines: +2 -2

@cdata/setYunits.m (1.3), "Exp", lines: +2 -2
@data2D/applymethod.m (1.4), "Exp", lines: +2 -2
@data2D/applyoperator.m (1.12), "Exp", lines: +2 -2
@data2D/char.m (1.4), "Exp", lines: +2 -2
@data2D/getX.m (1.4), "Exp", lines: +2 -2
@data2D/getY.m (1.3), "Exp", lines: +2 -2
@data2D/setX.m (1.2), "Exp", lines: +2 -2
@data2D/setXY.m (1.2), "Exp", lines: +2 -2
@data2D/setXunits.m (1.5), "Exp", lines: +2 -2
@data2D/setY.m (1.2), "Exp", lines: +2 -2
@data2D/setYunits.m (1.5), "Exp", lines: +2 -2
@data3D/getZ.m (1.2), "Exp", lines: +2 -2
@data3D/setZ.m (1.2), "Exp", lines: +2 -2
@data3D/setZunits.m (1.2), "Exp", lines: +2 -2
@fsdata/display.m (1.14), "Exp", lines: +2 -2
@fsdata/setEnbw.m (1.2), "Exp", lines: +2 -2
@fsdata/setFs.m (1.2), "Exp", lines: +2 -2
@fsdata/setNavs.m (1.2), "Exp", lines: +2 -2
@fsdata/setT0.m (1.2), "Exp", lines: +2 -2
@history/char.m (1.8), "Exp", lines: +2 -2
@history/display.m (1.16), "Exp", lines: +2 -2
@history/getNodes.m (1.19), "Exp", lines: +2 -2
@history/getNodes_plot.m (1.9), "Exp", lines: +2 -2
@history/hist2dot.m (1.6), "Exp", lines: +2 -2
@history/hist2m.m (1.29), "Exp", lines: +2 -2
@history/plot.m (1.26), "Exp", lines: +2 -2
@history/string.m (1.8), "Exp", lines: +2 -2
@ltpda_filter/setHistout.m (1.3), "Exp", lines: +2 -2
@ltpda_obj/eq.m (1.8), "Exp", lines: +2 -2
@ltpda_obj/isprop.m (1.2), "Exp", lines: +2 -2
@ltpda_obj/ne.m (1.5), "Exp", lines: +2 -2
@ltpda_uo/retrieve.m (1.4), "Exp", lines: +2 -2
@ltpda_uo/save.m (1.4), "Exp", lines: +2 -2
@ltpda_uo/setName.m (1.11), "Exp", lines: +2 -2
@ltpda_uo/submit.m (1.6), "Exp", lines: +2 -2
@ltpda_uoh/addHistory.m (1.7), "Exp", lines: +2 -2
@ltpda_uoh/setName.m (1.4), "Exp", lines: +2 -2
@ltpda_uoh/type.m (1.5), "Exp", lines: +2 -2
@mfir/char.m (1.7), "Exp", lines: +2 -2
@mfir/display.m (1.12), "Exp", lines: +2 -3
@mfir/redesign.m (1.10), "Exp", lines: +2 -3
@mfir/resp.m (1.20), "Exp", lines: +2 -2
@mfir/string.m (1.8), "Exp", lines: +2 -3
@miir/char.m (1.10), "Exp", lines: +2 -2
@miir/display.m (1.16), "Exp", lines: +3 -3
@miir/redesign.m (1.15), "Exp", lines: +3 -3
@miir/resp.m (1.20), "Exp", lines: +2 -2
@miir/setHistin.m (1.3), "Exp", lines: +2 -2

@miir/string.m (1.9), "Exp", lines: +3 -3
@minfo/char.m (1.4), "Exp", lines: +2 -2
@minfo/display.m (1.4), "Exp", lines: +2 -2
@minfo/setMversion.m (1.2), "Exp", lines: +2 -2
@param/char.m (1.17), "Exp", lines: +2 -2
@param/display.m (1.35), "Exp", lines: +2 -2
@param/display2.m (1.4), "Exp", lines: +2 -2
@param/mux.m (1.10), "Exp", lines: +2 -2
@param/setKey.m (1.6), "Exp", lines: +2 -2
@param/setKeyVal.m (1.6), "Exp", lines: +2 -2
@param/setVal.m (1.6), "Exp", lines: +2 -2
@param/string.m (1.7), "Exp", lines: +2 -2
@plist/append.m (1.17), "Exp", lines: +2 -2
@plist/char.m (1.21), "Exp", lines: +2 -2
@plist/combine.m (1.17), "Exp", lines: +2 -2
@plist/display.m (1.11), "Exp", lines: +2 -2
@plist/find.m (1.13), "Exp", lines: +2 -2
@plist/fromRepository.m (1.2), "Exp", lines: +2 -2
@plist/isparam.m (1.9), "Exp", lines: +2 -2
@plist/nparams.m (1.10), "Exp", lines: +2 -2
@plist/pset.m (1.11), "Exp", lines: +2 -2
@plist/remove.m (1.13), "Exp", lines: +2 -2
@plist/resp.m (1.15), "Exp", lines: +2 -2
@plist/string.m (1.21), "Exp", lines: +2 -2
@provenance/char.m (1.10), "Exp", lines: +2 -2
@provenance/display.m (1.12), "Exp", lines: +2 -2
@provenance/string.m (1.4), "Exp", lines: +2 -2
@pz/char.m (1.5), "Exp", lines: +2 -2
@pz/cp2iir.m (1.4), "Exp", lines: +2 -2
@pz/cz2iir.m (1.4), "Exp", lines: +2 -2
@pz/display.m (1.3), "Exp", lines: +2 -2
@pz/resp.m (1.5), "Exp", lines: +2 -2
@pz/rp2iir.m (1.4), "Exp", lines: +2 -2
@pz/rz2iir.m (1.4), "Exp", lines: +2 -2
@pz/string.m (1.4), "Exp", lines: +2 -2
@pzmodel/char.m (1.8), "Exp", lines: +2 -2
@pzmodel/display.m (1.9), "Exp", lines: +2 -2
@pzmodel/fngen.m (1.9), "Exp", lines: +2 -2
@pzmodel/getlowerFreq.m (1.7), "Exp", lines: +2 -2
@pzmodel/getupperFreq.m (1.7), "Exp", lines: +2 -2
@pzmodel/pzm2ab.m (1.4), "Exp", lines: +2 -2
@pzmodel/resp.m (1.26), "Exp", lines: +2 -2
@pzmodel/string.m (1.10), "Exp", lines: +2 -3
@pzmodel/tomfir.m (1.7), "Exp", lines: +2 -2
@pzmodel/tomiir.m (1.8), "Exp", lines: +2 -2
@specwin/char.m (1.7), "Exp", lines: +2 -2
@specwin/display.m (1.10), "Exp", lines: +2 -2
@specwin/plot.m (1.9), "Exp", lines: +2 -2

@specwin/string.m (1.8), "Exp", lines: +2 -2
@time/char.m (1.12), "Exp", lines: +2 -2
@time/display.m (1.19), "Exp", lines: +2 -2
@time/format.m (1.11), "Exp", lines: +2 -2
@time/getTimezones.m (1.2), "Exp", lines: +2 -2
@time/minus.m (1.12), "Exp", lines: +2 -2
@time/plus.m (1.15), "Exp", lines: +2 -2
@time/setEpochtime.m (1.5), "Exp", lines: +2 -2
@time/setTime_str.m (1.4), "Exp", lines: +2 -2
@time/setTimeformat.m (1.4), "Exp", lines: +2 -2
@time/setTimezone.m (1.3), "Exp", lines: +2 -2
@time/string.m (1.9), "Exp", lines: +2 -2
@timespan/char.m (1.5), "Exp", lines: +2 -2
@timespan/display.m (1.9), "Exp", lines: +2 -2
@timespan/setEndT.m (1.2), "Exp", lines: +2 -2
@timespan/setStartT.m (1.2), "Exp", lines: +2 -2
@timespan/setTimeformat.m (1.2), "Exp", lines: +2 -2
@timespan/setTimezone.m (1.2), "Exp", lines: +2 -2
@timespan/string.m (1.5), "Exp", lines: +2 -2
@tsdata/collapseX.m (1.2), "Exp", lines: +2 -2
@tsdata/display.m (1.18), "Exp", lines: +2 -2
@tsdata/fixNsecs.m (1.2), "Exp", lines: +2 -2
@tsdata/getX.m (1.4), "Exp", lines: +2 -2
@tsdata/growT.m (1.3), "Exp", lines: +2 -2
@tsdata/setFs.m (1.2), "Exp", lines: +2 -2
@tsdata/setNsecs.m (1.2), "Exp", lines: +2 -2
@tsdata/setT0.m (1.2), "Exp", lines: +2 -2
@xydata/display.m (1.12), "Exp", lines: +2 -2
@xyzdata/char.m (1.2), "Exp", lines: +2 -2
@xyzdata/display.m (1.7), "Exp", lines: +2 -2

Replace the category strings for the minfo-class with the constants in the utils.const.categories package. The AO is following

2008-09-04 16:51 hewitson

Changed:
@ao/consolidate.m (1.13), "Exp", lines: +7 -3

Requires at least two AOs - now throws an error for less than 2.

2008-09-04 16:32 hewitson

Changed:
@ao/iplot.m (1.46), "Exp", lines: +32 -25

bug fix on legend strings.

2008-09-04 16:14 hewitson

Changed:
@ao/fixfs.m (1.10), "Exp", lines: +1 -0
@ao/timeshift.m (1.10), "Exp", lines: +3 -3
@tsdata/fitfs.m (1.7), "Exp", lines: +4 -4

Small bug fixes: these weren't working.

2008-09-04 16:01 hewitson

Changed:
@tsdata/fitfs.m (1.6), "Exp", lines: +20 -17

Switched off the fitting of fs now. Instead we just take the median. On reasonable sized data sets this is too slow, so we need a better method. The information about whether or not the data can be considered evenly sampled is still returned so other methods that call this continue to work.

2008-09-04 16:00 hewitson

Changed:
@ao/fixfs.m (1.9), "Exp", lines: +24 -10

Has a new option now; you can choose whether the interpolated data spans the same time as the input data, or has the same number of samples. The first is the default.

2008-09-04 15:43 luigi

Changed:
+utils/@math/lp2z.m (1.4), "Exp", lines: +165 -344

Updates in order to satisfy the requirements of the new toolbox. Now it is written in pure matlab language and can be used also out of the toolbox.

2008-09-04 15:37 ingo

Changed:
@ao/ao.m (1.153), "Exp", lines: +5 -5
@ao/applyoperator.m (1.16), "Exp", lines: +2 -2
@ao/dopplercorr.m (1.5), "Exp", lines: +3 -3
@ao/fromDatafile.m (1.4), "Exp", lines: +4 -4
@ao/fromFSfcn.m (1.11), "Exp", lines: +4 -4
@ao/fromFcn.m (1.11), "Exp", lines: +4 -4
@ao/fromPolyval.m (1.9), "Exp", lines: +3 -3

@ao/fromPzmodel.m (1.10), "Exp", lines: +3 -3
@ao/fromSpecWin.m (1.10), "Exp", lines: +4 -4
@ao/fromTSfcn.m (1.12), "Exp", lines: +3 -3
@ao/fromVals.m (1.14), "Exp", lines: +3 -3
@ao/fromWaveform.m (1.10), "Exp", lines: +5 -5
@ao/gapfilling.m (1.4), "Exp", lines: +3 -3
@ao/le.m (1.14), "Exp", lines: +2 -20
@ao/lincom.m (1.8), "Exp", lines: +3 -3
@ao/select.m (1.25), "Exp", lines: +3 -3
@ao/spikecleaning.m (1.5), "Exp", lines: +3 -3
@ao/split.m (1.55), "Exp", lines: +4 -4
@ao/timedomainfit.m (1.5), "Exp", lines: +7 -7
@ao/timeshift.m (1.9), "Exp", lines: +3 -3
@ltpda_uoh/fromRepository.m (1.3), "Exp", lines: +5 -5
@mfir/fromA.m (1.7), "Exp", lines: +3 -3
@mfir/fromAO.m (1.10), "Exp", lines: +3 -3
@mfir/fromPzmodel.m (1.6), "Exp", lines: +3 -3
@mfir/fromStandard.m (1.5), "Exp", lines: +3 -3
@mfir/mfir.m (1.61), "Exp", lines: +4 -4
@miir/fromAB.m (1.9), "Exp", lines: +2 -2
@miir/fromPzmodel.m (1.7), "Exp", lines: +2 -2
@miir/fromStandard.m (1.5), "Exp", lines: +3 -3
@miir/miir.m (1.74), "Exp", lines: +4 -4
@pzmodel/fromPolesAndZeros.m (1.9), "Exp", lines: +3 -5
@pzmodel/pzmodel.m (1.59), "Exp", lines: +4 -4
@ssm/ssmFromBuiltinSystem.m (1.41), "Exp", lines: +3 -3
@timespan/fromTimespanDef.m (1.3), "Exp", lines: +8 -4
@timespan/timespan.m (1.41), "Exp", lines: +4 -4

Add the plist which process the method (most time the combination of the input- and default- plist) to the history and not only the input plist.

2008-09-04 15:35 ingo

Changed:

@ao/setDescription.m (1.6), "Exp", lines: +3 -3
@ao/setFs.m (1.5), "Exp", lines: +3 -3
@ao/setT0.m (1.5), "Exp", lines: +3 -3
@ao/setX.m (1.5), "Exp", lines: +3 -3
@ao/setXunits.m (1.7), "Exp", lines: +3 -3
@ao/setY.m (1.5), "Exp", lines: +3 -3
@ao/setYunits.m (1.7), "Exp", lines: +3 -3
@ao/setZ.m (1.5), "Exp", lines: +3 -3

Bug fix: Set an output to the combine(plist) function because without the output modify these functions the input plist.

2008-09-04 12:55 luigi

Changed:
+utils/@math/ltpda_residue.m (1.3), "Exp", lines: +142 -138

New version for compatibility with the new toolbox

2008-09-04 11:43 hewitson

Changed:
@ao/applyoperator.m (1.15), "Exp", lines: +9 -3

Doesn't apply operator for plus and minus. Instead checks that the two objects have the same Yunits.

2008-09-04 09:28 hewitson

Changed:
@ssm/ssm.m (1.65), "Exp", lines: +4 -3

Version property is declared in the class to avoid calling setVersion all the time. A large speed increase.

2008-09-03 19:05 ingo

Changed:
@ao/complex.m (1.19), "Exp", lines: +3 -3
@ao/ctranspose.m (1.23), "Exp", lines: +42 -4
@ao/dft.m (1.11), "Exp", lines: +16 -10
@ao/diff.m (1.9), "Exp", lines: +12 -12
@ao/dopplercorr.m (1.4), "Exp", lines: +4 -6
@ao/export.m (1.14), "Exp", lines: +3 -3
@ao/fngen.m (1.16), "Exp", lines: +4 -4
@ao/gapfilling.m (1.3), "Exp", lines: +44 -45
@ao/ge.m (1.13), "Exp", lines: +2 -20
@ao/gt.m (1.13), "Exp", lines: +2 -20
@ao/hist.m (1.22), "Exp", lines: +7 -2
@ao/ifft.m (1.9), "Exp", lines: +8 -3
@ao/interp.m (1.23), "Exp", lines: +3 -3
@ao/join.m (1.23), "Exp", lines: +5 -5
@ao/linedetect.m (1.2), "Exp", lines: +15 -6
@ao/lpsd.m (1.11), "Exp", lines: +12 -5
@ao/lt.m (1.14), "Exp", lines: +2 -19
@ao/ltf_plan.m (1.3), "Exp", lines: +7 -7
@ao/lxspec.m (1.10), "Exp", lines: +10 -4
@ao/md5.m (1.11), "Exp", lines: +4 -2
@ao/mean.m (1.22), "Exp", lines: +7 -3
@ao/mode.m (1.7), "Exp", lines: +3 -3

@ao/polyfit.m (1.17), "Exp", lines: +3 -3
@ao/psd.m (1.5), "Exp", lines: +7 -2
@ao/resample.m (1.29), "Exp", lines: +4 -4
@ao/rms.m (1.8), "Exp", lines: +3 -4
@ao/select.m (1.24), "Exp", lines: +6 -2
@ao/smoother.m (1.11), "Exp", lines: +4 -4
@ao/spikecleaning.m (1.4), "Exp", lines: +38 -38
@ao/transpose.m (1.20), "Exp", lines: +43 -5
@ao/welch.m (1.5), "Exp", lines: +3 -4
@ao/xcorr.m (1.3), "Exp", lines: +8 -4
@ao/xspec.m (1.15), "Exp", lines: +8 -2
@ao/zeropad.m (1.9), "Exp", lines: +4 -4
@mfir/fromAO.m (1.9), "Exp", lines: +2 -2

The output of all this functions should have the same data shape as the input shape.

2008-09-03 19:03 ingo

Deleted:
@cdata/getX.m (1.4)
Changed:
@cdata/cdata.m (1.45), "Exp", lines: +3 -4

Remove the getX function again.

2008-09-03 19:02 ingo

Changed:
@ao/applyoperator.m (1.14), "Exp", lines: +2 -9
@data2D/applyoperator.m (1.11), "Exp", lines: +6 -26

It is not longer possible to operate an operator on the x-axis. For this we have to create a new function.

2008-09-03 19:01 ingo

Changed:
@data2D/data2D.m (1.21), "Exp", lines: +5 -2

The data keeps allways the shape after a setting. Only if the value is zero then it is possible to change the shape.

2008-09-03 19:00 ingo

Changed:
@data2D/getX.m (1.3), "Exp", lines: +11 -6
@data2D/getY.m (1.2), "Exp", lines: +11 -4

@tsdata/getX.m (1.3), "Exp", lines: +13 -6

getX and getY returns always a coloum vector even if the data is not a column vector.

2008-09-03 18:58 ingo

Changed:
@tsdata/display.m (1.17), "Exp", lines: +8 -4

If the x-data is empty then display the size of the y-data

2008-09-03 18:58 ingo

Changed:
@tsdata/fitfs.m (1.5), "Exp", lines: +77 -76

Move the function declaration to the bottom of the header

2008-09-03 18:56 ingo

Changed:
@xydata/xydata.m (1.32), "Exp", lines: +4 -3

If the input of the xydata constructor is a y-vector the is the x-vector an array from 1 to length(y-vector)

2008-09-03 18:43 hewitson

Changed:
@cdata/cdata.m (1.44), "Exp", lines: +15 -14

Version property is declared in the class to avoid calling setVersion all the time. A large speed increase.

Also some rules on the yunits to deal with symbols.

2008-09-03 18:39 hewitson

Changed:
@timespan/timespan.m (1.40), "Exp", lines: +4 -7
@tsdata/tsdata.m (1.57), "Exp", lines: +7 -11
@xydata/xydata.m (1.31), "Exp", lines: +5 -7
@xyzdata/xyzdata.m (1.12), "Exp", lines: +5 -8

Version property is declared in the class to avoid calling setVersion all the time. A large speed increase.

2008-09-03 18:39 hewitson

Changed:
@specwin/specwin.m (1.53), "Exp", lines: +16 -76
@time/time.m (1.56), "Exp", lines: +6 -33

Version property is declared in the class to avoid calling setVersion all the time. A large speed increase.

Also removed unnessary property rules.

2008-09-03 18:38 hewitson

Changed:
@time/setTimeformat.m (1.3), "Exp", lines: +5 -3

Check the time format is a string.

2008-09-03 18:38 hewitson

Changed:
@time/setTime_str.m (1.3), "Exp", lines: +10 -7

Check the time_str is a string.

2008-09-03 18:37 hewitson

Changed:
@ltpda_uo/setName.m (1.10), "Exp", lines: +6 -3

Added check on the name property.

2008-09-03 18:37 hewitson

Changed:
@time/setEpochtime.m (1.4), "Exp", lines: +7 -3

Added checks on the epochtime.

2008-09-03 18:36 hewitson

Changed:
@ltpda_uo/setCreated.m (1.6), "Exp", lines: +1 -4
@ltpda_obj/setVersion.m (1.7), "Exp", lines: +2 -5

This is not a public function so we never need to copy.

2008-09-03 18:35 hewitson

Changed:
+utils/@helper/msg.m (1.3), "Exp", lines: +4 -13

Simplified to speed this up.

2008-09-03 18:34 hewitson

Changed:
@minfo/minfo.m (1.15), "Exp", lines: +7 -71
@param/param.m (1.44), "Exp", lines: +9 -26
@plist/plist.m (1.50), "Exp", lines: +5 -17
@provenance/provenance.m (1.40), "Exp", lines: +7 -55

Version property is declared in the class to avoid calling setVersion all the time. A large speed increase.

Also removed unnessary property rules.

2008-09-03 18:34 hewitson

Changed:
@mfir/mfir.m (1.60), "Exp", lines: +5 -8
@miir/miir.m (1.73), "Exp", lines: +8 -11
@pz/pz.m (1.23), "Exp", lines: +10 -13
@pzmodel/pzmodel.m (1.58), "Exp", lines: +10 -13

Version property is declared in the class to avoid calling setVersion all the time. A large speed increase.

2008-09-03 18:34 hewitson

Changed:
@ao/mdc1_ifo2acc_inloop.m (1.8), "Exp", lines: +4 -4

Typos.

2008-09-03 18:33 hewitson

Changed:
@ltpda_uo/ltpda_uo.m (1.23), "Exp", lines: +3 -27

Can't set the abstract property: version.

Also removed unnecessary rules and moved them to the public setter methods.

2008-09-03 18:33 hewitson

Changed:
@ltpda_obj/ltpda_obj.m (1.21), "Exp", lines: +4 -17

Make version abstract and declare it in subclasses.

2008-09-03 18:31 hewitson

Changed:
@miir/fromAB.m (1.8), "Exp", lines: +2 -2
@pzmodel/fromPolesAndZeros.m (1.8), "Exp", lines: +2 -2
@miir/fromPzmodel.m (1.6), "Exp", lines: +2 -2

No need to get the plist twice!

2008-09-03 18:31 hewitson

Changed:
@data3D/data3D.m (1.7), "Exp", lines: +2 -7
@ltpda_filter/ltpda_filter.m (1.14), "Exp", lines: +2 -7
@ltpda_nuo/ltpda_nuo.m (1.16), "Exp", lines: +2 -7
@ltpda_data/ltpda_data.m (1.10), "Exp", lines: +2 -7
@ltpda_uoh/ltpda_uoh.m (1.14), "Exp", lines: +2 -8

Can't set the abstract property: version.

2008-09-03 18:31 hewitson

Changed:
@data2D/data2D.m (1.20), "Exp", lines: +8 -10

Version property is declared in the class to avoid calling
setVersion all the time. A large speed increase.

Also changed rule for symbols on x and yunits.

2008-09-03 18:30 hewitson

Changed:
@ao/ao.m (1.152), "Exp", lines: +4 -7
@fsdata/fsdata.m (1.39), "Exp", lines: +12 -15
@history/history.m (1.39), "Exp", lines: +4 -7

Version property is declared in the class to avoid calling
setVersion all the time. A large speed increase.

2008-09-03 18:29 hewitson

Changed:

@ao/copy.m (1.14), "Exp", lines: +2 -36
@cdata/copy.m (1.7), "Exp", lines: +2 -33
@fsdata/copy.m (1.7), "Exp", lines: +2 -32
@history/copy.m (1.7), "Exp", lines: +2 -33
@mfir/copy.m (1.7), "Exp", lines: +2 -31
@miir/copy.m (1.7), "Exp", lines: +2 -31
@minfo/copy.m (1.6), "Exp", lines: +2 -33
@param/copy.m (1.7), "Exp", lines: +2 -32
@plist/copy.m (1.7), "Exp", lines: +2 -32
@provenance/copy.m (1.7), "Exp", lines: +2 -33
@pz/copy.m (1.7), "Exp", lines: +2 -30
@pzmodel/copy.m (1.7), "Exp", lines: +2 -31
@specwin/copy.m (1.7), "Exp", lines: +2 -32
@ssm/copy.m (1.10), "Exp", lines: +2 -46
@time/copy.m (1.7), "Exp", lines: +2 -32
@timespan/copy.m (1.6), "Exp", lines: +2 -31
@tsdata/copy.m (1.7), "Exp", lines: +2 -31
@xydata/copy.m (1.7), "Exp", lines: +2 -32
@xyzdata/copy.m (1.6), "Exp", lines: +2 -32

These are never accessed by the user (even though they are public for technical reasons) as such, we can simplify them. This is a huge speed increase.

2008-09-03 15:25 hewitson

Changed:

+utils/@helper/collect_objects.m (1.11), "Exp", lines: +28 -18

A couple of bug fixes.

2008-09-03 14:48 hewitson

Changed:

+utils/@helper/collect_objects.m (1.10), "Exp", lines: +51 -44

A more optimised version of this. To get this faster will need a mex file, I think.

2008-09-03 13:53 hewitson

Changed:

@ao/iplot.m (1.45), "Exp", lines: +4 -4

cdata has no xunits now, so a default unit of 'N' (Number) is used for the x-axis label.

2008-09-03 13:29 ingo

Changed:
@cdata/getX.m (1.3), "Exp", lines: +6 -12
@cdata/cdata.m (1.43), "Exp", lines: +4 -3

getX of a cdata object returns the y-value. This function is for example necessary for the command: ao + 4

2008-09-03 11:40 hewitson

Changed:
@ao/psd.m (1.4), "Exp", lines: +3 -2

Properly preserves the input T0 from the time-series.

2008-09-02 22:53 adrien

Changed:
@ssm/cell_select.m (1.7), "Exp", lines: +10 -1

This avoids bug with empty row selection in an already empty matrix
Made to work with cell array (used for varnames fields)

2008-09-02 22:52 adrien

Changed:
@ssm/ssm.m (1.64), "Exp", lines: +2 -2
@ssm/ssmFromBuiltinSystem.m (1.40), "Exp", lines: +5 -4

Now when building from a ssm built-in, two options ('dim' and 'withParams') are implemented straight in the constructor.

Avoiding parameters makes the whole thing much faster, it must be done from whithin the built-in function. Model reduction is done in the ssm constructor, the built-in must provide the right plist. Use empty plist for no change.

2008-09-02 19:57 hewitson

Changed:
@ao/ao.m (1.151), "Exp", lines: +4 -2
@mfir/mfir.m (1.59), "Exp", lines: +5 -3
@miir/miir.m (1.72), "Exp", lines: +5 -3
@pzmodel/pzmodel.m (1.57), "Exp", lines: +5 -3
@ssm/ssm.m (1.63), "Exp", lines: +3 -1
@plist/plist.m (1.49), "Exp", lines: +5 -3
@timespan/timespan.m (1.39), "Exp", lines: +5 -3

Updated 'From Repository' section of the help.

2008-09-02 19:41 hewitson

Changed:
+utils/@helper/xmlread.m (1.9), "Exp", lines: +7 -5

Converted terminal output to use utils.helper.msg.

2008-09-02 19:41 hewitson

Changed:
@ltpda_uoh/fromRepository.m (1.2), "Exp", lines: +8 -2

Now works with collection IDs as well via keyword 'cid'.

2008-09-02 19:28 hewitson

Changed:
@ltpda_uo/ltpda_uo.m (1.22), "Exp", lines: +4 -4

submit should be a public method, not static.

2008-09-02 19:27 hewitson

Changed:
+utils/@helper/xmlwrite.m (1.6), "Exp", lines: +8 -5

Converted terminal output to use utils.helper.msg.

2008-09-02 16:29 hewitson

Changed:
@ssm/ssmFromBuiltinSystem.m (1.39), "Exp", lines: +3 -3

Increased the number of printed digits, just in case.

2008-09-02 16:29 hewitson

Changed:
+utils/@helper/objdisp.m (1.9), "Exp", lines: +6 -3

Small bug fix. Works with multi-line strings now.

2008-09-02 15:16 ingo

Changed:

@ao/filter.m (1.39), "Exp", lines: +4 -4

Use the set functions instead of the direct assignment.

2008-09-02 15:15 ingo

Changed:
@ao/complex.m (1.18), "Exp", lines: +6 -6
@ao/dropduplicates.m (1.9), "Exp", lines: +3 -3
@ao/export.m (1.13), "Exp", lines: +5 -5

Use the getter functions instead of the direct access.

2008-09-02 15:14 ingo

Changed:
@ao/atan2.m (1.7), "Exp", lines: +3 -3

bug fix

2008-09-02 15:13 ingo

Changed:
@ao/applyoperator.m (1.13), "Exp", lines: +13 -9

Compute the units only if the operation is a valid symbolic math toolbox operation. e.g. atan2 is not a symbolic math toolbox method,.

2008-09-02 15:12 ingo

Changed:
@ao/applymethod.m (1.9), "Exp", lines: +4 -2

Add the combination of the inplut-plist and the default-plist to the history

2008-09-02 11:45 hewitson

Changed:
@ssm/ssmFromBuiltinSystem.m (1.38), "Exp", lines: +8 -4

You can now choose the systems by number as well as name.

2008-09-02 09:29 hewitson

Changed:
@ssm/ssmFromBuiltinSystem.m (1.37), "Exp", lines: +3 -3

Uses the new built-in system directory for ssm models.

2008-09-01 19:16 ingo

Changed:
@ao/ao.m (1.150), "Exp", lines: +16 -12
@mfir/mfir.m (1.58), "Exp", lines: +9 -6
@miir/miir.m (1.71), "Exp", lines: +9 -6
@ssm/ssm.m (1.62), "Exp", lines: +12 -9
@time/time.m (1.55), "Exp", lines: +6 -3
@timespan/timespan.m (1.38), "Exp", lines: +6 -3
@plist/plist.m (1.48), "Exp", lines: +9 -7

Add 'Default' set and plist

2008-09-01 19:15 ingo

Changed:
@pz/pz.m (1.22), "Exp", lines: +31 -12
@pzmodel/fromPolesAndZeros.m (1.7), "Exp", lines: +14 -39
@pzmodel/pzmodel.m (1.56), "Exp", lines: +18 -18

Add new constructors. The following constructors are valid: 1.) pz({1+2i, 3, [1 2]}) 2.) pzmodel(plist('poles', {1+2i, 3, [1 2]}))

2008-09-01 19:13 ingo

Changed:
@history/hist2m.m (1.28), "Exp", lines: +4 -4

Bug fix ?!

2008-09-01 19:12 ingo

Changed:
@data2D/data2D.m (1.19), "Exp", lines: +5 -5
@data3D/data3D.m (1.6), "Exp", lines: +4 -4

Set the default units to symbolic math '1'

2008-09-01 19:11 ingo

Changed:
@ao/mean.m (1.21), "Exp", lines: +3 -6

Set fs to 1/nsecs

2008-09-01 19:10 ingo

Changed:
@ao/mdc1_input_noises.m (1.2), "Exp", lines: +8 -8

Use the 'internal'-command to set the units.

2008-09-01 19:09 ingo

Deleted:
@cdata/getX.m (1.2)
@cdata/setX.m (1.2)
@cdata/setXY.m (1.2)
@cdata/setXunits.m (1.3)
Changed:
@ao/display.m (1.29), "Exp", lines: +14 -15
@cdata/cdata.m (1.42), "Exp", lines: +4 -44
@cdata/display.m (1.12), "Exp", lines: +2 -6

Remove the x-axis and the xunits from the cdata-class

2008-09-01 19:08 ingo

Changed:
+utils/@helper/objdisp.m (1.8), "Exp", lines: +13 -13

Use the []-command to concatenate the strings because strcat removes ending whitespaces.

2008-09-01 17:32 hewitson

Changed:
@ssm/ssm.m (1.61), "Exp", lines: +5 -2
@ssm/ssmFromBuiltinSystem.m (1.36), "Exp", lines: +62 -28

A new way of defining models and adding further models to the system.

The directories holding models are specified in ltpda_startup.

2008-09-01 17:31 hewitson

Changed:
+utils/@prog/filescan.m (1.2), "Exp", lines: +19 -20

Just cleaning up.

2008-09-01 15:30 hewitson

Changed:
@ao/ao.m (1.149), "Exp", lines: +18 -7
@ao/fromDatafile.m (1.3), "Exp", lines: +86 -55

Bug fixing the ASCII file reading.

We have a robust (but slow) file reader now. This can be switched off for simple large files.

Added help comments to ao class.

2008-09-01 12:41 anneke

Changed:
@ao/dopplercorr.m (1.3), "Exp", lines: +3 -3

bug fix

2008-09-01 12:12 ingo

Changed:
+utils/@helper/xmlwrite.m (1.5), "Exp", lines: +4 -4

Empty matrices (Nx0 or 0xN) are handled as normal doubles

2008-08-31 14:19 hewitson

Changed:
@ssm/ssmFromBuiltinSystem.m (1.35), "Exp", lines: +3 -1

More robust form of this file model listing.

2008-08-31 14:12 hewitson

Changed:
@ssm/ssmFromBuiltinSystem.m (1.34), "Exp", lines: +2 -2

Always use fullfile() to build filenames, otherwise it isn't compatible across all operating systems.

2008-08-31 12:56 adrien

Changed:
@ssm/ssmFromBuiltinSystem.m (1.33), "Exp", lines: +5 -11

using the correct xml constructor

2008-08-31 12:54 hewitson

Changed:
@ssm/ssm.m (1.60), "Exp", lines: +2 -2

Bug fix for loading from MAT file.

2008-08-31 10:09 hewitson

Changed:
+utils/@helper/xmlread.m (1.8), "Exp", lines: +2 -1

Small bug fix. Sometimes there is no child node.

We still have a problem with Nx0 matrices. They don't get saved/loaded properly.

2008-08-31 04:35 adrien

Deleted:
@ssm/ssm_reduced_builtIn.m (1.5)

new way to construct built-in models Note that the content of the 'Built-in' folder will be reduced to a couple of examples on the CVS soon, and you will have to add files separately in the folder

2008-08-31 04:32 adrien

Deleted:
@ssm/Full_discrete_controler_1_Normal_Mode.mat (1.4)
@ssm/Full_discrete_controler_2_Science_Mode_1_M3.mat (1.4)
@ssm/Full_discrete_controler_3_Science_Mode_2_M1_Transition.mat (1.4)
@ssm/Full_discrete_controler_4_Science_Mode_2_M1_Performance.mat (1.4)
@ssm/Full_discrete_controler_5_Science_Mode_1_All_Optical_Readouts.mat (1.4)
@ssm/T_ZYX_rot.m (1.4)
@ssm/model_DFACS_2_Science_Mode_1_M3.m (1.11)
@ssm/model_DFACS_4_Science_Mode_2_M1_Performance.m (1.11)
@ssm/model_DFACS_5_Science_Mode_1_All_Optical_Readouts.m (1.11)
@ssm/model_IS_readout.m (1.10)
@ssm/model_IS_readout_xcpl.m (1.10)
@ssm/model_Interferometer_readout.m (1.11)
@ssm/model_Interferometer_readout_xcpl.m (1.11)
@ssm/model_LPF_Dynamics.m (1.11)
@ssm/model_MPS.m (1.11)
@ssm/model_NSF_Interferometer_readout.m (1.10)
@ssm/model_NSF_ST_readout.m (1.10)

@ssm/model_NSF_TM_SC.m (1.10)
@ssm/model_ST_readout.m (1.10)
@ssm/model_TMActuation.m (1.12)
@ssm/model_delay.m (1.7)
@ssm/model_delay_IS_readout.m (1.10)
@ssm/model_delay_Ifo_readout.m (1.10)
@ssm/skew.m (1.4)
@ssm/B_a2w.m (1.6)
@ssm/B_a2w_inv.m (1.3)
@ssm/model_DFACS_1_Normal_Mode.m (1.11)
@ssm/model_DFACS_3_Science_Mode_2_M1_Transition.m (1.11)
@ssm/model_LPF_Dynamics_noparams.m (1.11)
@ssm/model_NSF_IS_readout.m (1.10)
@ssm/model_NSF_TM.m (1.10)
@ssm/model_NSF_TMActuation.m (1.10)
@ssm/model_NSF_infrared.m (1.10)
@ssm/model_NSF_solar.m (1.10)
@ssm/model_TMActuation_xcpl.m (1.11)
@ssm/model_delay_ST_readout.m (1.9)
@ssm/model_standard_system_noparams.m (1.12)
@ssm/model_standard_system_params.m (1.12)

Changed:

@ssm/ssm.m (1.59), "Exp", lines: +2 -37
@ssm/ssmFromBuiltinSystem.m (1.32), "Exp", lines: +38 -85

new way to construct built-in models

2008-08-30 22:10 adrien

Changed:

@ssm/validate.m (1.31), "Exp", lines: +1 -2

debug consequently to 'ssini' field deletion (bis)

2008-08-30 22:03 adrien

Changed:

@ssm/kalman.m (1.12), "Exp", lines: +3 -1
@ssm/simulate.m (1.26), "Exp", lines: +4 -1
@ssm/validate.m (1.30), "Exp", lines: +1 -2

debug consequently to 'ssini' field deletion

2008-08-30 21:45 adrien

Changed:

@ssm/assemble.m (1.21), "Exp", lines: +0 -3
@ssm/kalman.m (1.11), "Exp", lines: +12 -2

@ssm/model_standard_system_noparams.m (1.11), "Exp", lines: +0 -1
@ssm/model_standard_system_params.m (1.11), "Exp", lines: +0 -1
@ssm/reduce.m (1.11), "Exp", lines: +0 -1
@ssm/reduce_model.m (1.8), "Exp", lines: +0 -2
@ssm/simulate.m (1.25), "Exp", lines: +12 -4
@ssm/ssm.m (1.58), "Exp", lines: +3 -4
@ssm/ssmFromDescription.m (1.16), "Exp", lines: +1 -1
@ssm/validate.m (1.29), "Exp", lines: +2 -17

ssini is no ssm field anymore. ssini is a plist option in 'simulate' and 'kalman'

2008-08-30 21:43 adrien

Changed:
@ssm/model_delay.m (1.6), "Exp", lines: +2 -3
@ssm/model_delay_IS_readout.m (1.9), "Exp", lines: +1 -1
@ssm/model_delay_Ifo_readout.m (1.9), "Exp", lines: +1 -1
@ssm/model_delay_ST_readout.m (1.8), "Exp", lines: +1 -1

Delay was modified to 0.3s to avoid numerical issues

2008-08-30 19:38 hewitson

Changed:
+utils/@helper/isinfocall.m (1.2), "Exp", lines: +9 -3

I think this is a little faster.

2008-08-30 19:38 hewitson

Changed:
@ao/ao.m (1.148), "Exp", lines: +2 -2
@data2D/data2D.m (1.18), "Exp", lines: +3 -3
@data3D/data3D.m (1.5), "Exp", lines: +3 -3
@ltpda_data/ltpda_data.m (1.9), "Exp", lines: +3 -3
@ltpda_filter/ltpda_filter.m (1.13), "Exp", lines: +3 -3
@ltpda_nuo/ltpda_nuo.m (1.15), "Exp", lines: +3 -3
@ltpda_uo/ltpda_uo.m (1.21), "Exp", lines: +3 -3
@ltpda_uoh/ltpda_uoh.m (1.13), "Exp", lines: +3 -3
@mfir/mfir.m (1.57), "Exp", lines: +3 -3
@miir/miir.m (1.70), "Exp", lines: +3 -3
@pzmodel/pzmodel.m (1.55), "Exp", lines: +3 -3
@timespan/timespan.m (1.37), "Exp", lines: +3 -3

Stop using prependVersion. I think we can't afford this. Use just setVersion instead.

2008-08-30 19:19 hewitson

Changed:
@ssm/validate.m (1.28), "Exp", lines: +6 -6

Speeded up a bit by using utils.helper.num2str - a simple version of MATLAB's num2str.

2008-08-30 19:19 hewitson

Changed:
@ssm/cellstrfind.m (1.3), "Exp", lines: +18 -18

This is faster and should be the same result.

2008-08-30 18:32 hewitson

Changed:
@ssm/ssm2iirpz.m (1.19), "Exp", lines: +54 -37

Modified to work with collect_objects. Some documentation clean-up.

2008-08-30 17:36 hewitson

Changed:
@ssm/modify.m (1.9), "Exp", lines: +1 -1

Bug fix.

2008-08-30 14:30 nicola

Added:
+utils/@prog/rnfield.m (1.1)
Changed:
+utils/@prog/prog.m (1.10), "Exp", lines: +3 -2

Method to rename struct fields.

2008-08-30 11:50 hewitson

Changed:
@ssm/assemble.m (1.20), "Exp", lines: +1 -1
@ssm/modifparams.m (1.19), "Exp", lines: +1 -1
@ssm/modify.m (1.8), "Exp", lines: +27 -23
@ssm/reduce_model.m (1.7), "Exp", lines: +1 -1
@ssm/ssm_reduced_builtIn.m (1.4), "Exp", lines: +1 -1

These all call the new categories class in minfo now.

2008-08-30 11:45 hewitson

Changed:
+utils/@helper/ltpda_categories.m (1.2), "Exp", lines: +10 -24

Just calls

utils.const.categories.list

now and issues a deprecation warning.

2008-08-30 11:44 hewitson

Added:
+utils/+const/@categories/categories.m (1.1)

A new constant class that defines the categories allowed in LTPDA.
Also has a method to get a category list

utils.const.categories.list

If you want a particular category:

utils.const.categories.sigproc

This allows us to define what the signal processing
category is called. Then we all use the same names.

2008-08-29 18:57 hewitson

Changed:
@ssm/cell_select.m (1.6), "Exp", lines: +92 -91
@ssm/reduce_model.m (1.6), "Exp", lines: +3 -3

Found the bug that we saw yesterday using the default plist for
reduce_model. The method cell_select wasn't working if the 'ALL'
parameter was in a string. Now it works with both strings and
cells. So 'ALL' and {'ALL'} are fine.

This also lets us simplify reduce_model again.

2008-08-29 16:10 hewitson

Changed:
@ssm/modifparams.m (1.18), "Exp", lines: +63 -56
@ssm/validate.m (1.27), "Exp", lines: +424 -416

Modified to work with collect_objects and to behave as a proper modify method.

2008-08-29 16:10 hewitson

Changed:
@ssm/assemble.m (1.19), "Exp", lines: +28 -8

Modified to work with collect_objects and to behave as a proper modify method.

can now do

s = assemble(s1,s2,s3)

NOTE: so far assemble can't be a modifier and must have an output.

2008-08-29 16:09 hewitson

Changed:
@ssm/reduce_model.m (1.5), "Exp", lines: +62 -42

Modified to work with collect_objects and to behave as a proper modify method.

Also added support for single string or numeric input of inputs, outputs, and states, without using cells.

2008-08-29 14:44 hewitson

Changed:
@ssm/ssm.m (1.57), "Exp", lines: +7 -7
@ssm/ssmFromBuiltinSystem.m (1.31), "Exp", lines: +86 -84
@ssm/ssm_reduced_builtIn.m (1.3), "Exp", lines: +131 -131

User no-longer needs to call ssm.ssm_reduced_Builtin. Instead you can pass the parameter 'dim' directly to the ssm constructor:

s = ssm(plist('Built-in', 'MPS', 'dim', 1))

As such, ssm_reduced_builtIn is now private. THIS PROBABLY BREAKS SOME EXISTING THINGS.

2008-08-29 14:28 hewitson

Added:

+utils/+const/@ltp/ltp.m (1.1)
+utils/+const/@physics/physics.m (1.1)

Two new constant classes. Go ahead and fill them in!

2008-08-29 14:14 hewitson

Changed:
@ssm/ssm.m (1.56), "Exp", lines: +19 -16

copy constructor properly works now for multiple inputs

s = ssm(s1,s2,s2)

etc.

2008-08-29 14:14 hewitson

Changed:
@pz/char.m (1.4), "Exp", lines: +3 -3

Added a little more info to the display.

2008-08-28 06:51 hewitson

Changed:
@ao/ao.m (1.147), "Exp", lines: +29 -2

Added getter methods to complement the setter methods that access the data object.

Probably we should do some checks on the fields the user tries to get.

2008-08-28 06:49 hewitson

Changed:
@ltpda_uo/setName.m (1.9), "Exp", lines: +4 -4
@ltpda_uoh/setName.m (1.3), "Exp", lines: +4 -4

Extended the allowed length of a name.

Do we really want to restrict this?

2008-08-26 22:57 adrien

Changed:
@ssm/reduce.m (1.10), "Exp", lines: +1 -0

@ssm/reduce_model.m (1.4), "Exp", lines: +4 -4

2 bugs with ssini and option plists

2008-08-26 22:56 adrien

Changed:
@ssm/validate.m (1.26), "Exp", lines: +5 -0

now parameter fields are optionnal

2008-08-26 22:55 adrien

Added:
@ssm/ssmFromss.m (1.1)
Changed:
@ssm/ssm.m (1.55), "Exp", lines: +13 -5
@ssm/ssm2ss.m (1.18), "Exp", lines: +2 -0

updated conversion to/from matlab ss objects

2008-08-26 22:54 adrien

Changed:
@ssm/ssmFromDescription.m (1.15), "Exp", lines: +6 -5

parameters of system are no more compulsory

2008-08-26 22:53 adrien

Changed:
@ssm/model_standard_system_noparams.m (1.10), "Exp", lines: +0 -3
@ssm/model_standard_system_params.m (1.10), "Exp", lines: +0 -3

update with ssm class

2008-08-26 22:51 adrien

Changed:
@ssm/cell_select.m (1.5), "Exp", lines: +6 -2

error messages better handled

2008-08-26 12:44 ingo

Changed:
@history/hist2m.m (1.27), "Exp", lines: +3 -4

If a plist contains a symbolic-math object then rebuild this object
as an symbolic-object and not as a character. --> Remove the wrong
part of rebuilding a symbolic object.

2008-08-26 11:55 ingo

Changed:
@ao/complex.m (1.17), "Exp", lines: +3 -3

Add Parameter 'internal' to the set-function.

2008-08-26 11:54 ingo

Changed:
@history/hist2m.m (1.26), "Exp", lines: +6 -2

Rebuilds a Symbolic-Math object in a plist.