



- formatting/columns-mixin.lisp (format-header columns-mixin t): use ``format-header'` for individual columns
- formatting/columns.lisp (basic-column): new class; superclass for column classes  
(format-header basic-column t): new method; format column name as header  
(define-simple-column): add superclass ``basic-column'`
- formatting/quantity-column.lisp (format-header quantity-column t): new method; print column name and, later, unit, if available
- formatting/package.lisp (package rsb.formatting): added exported symbols `format-header` and `basic-column`

#### Revision 4ef5150a - 03/19/2012 02:22 PM - J. Moringen

Added grouping-mixin in formatting/grouping-mixin.lisp

refs #873, #880

- formatting/grouping-mixin.lisp: new file; contains ``grouping-mixin'` mixin class
- formatting/protocol.lisp (make-sub-style-entry): new generic function; create a sub-style entry for a style
- formatting/package.lisp (package rsb.formatting): added exported symbols `make-sub-style-entry`, `grouping-mixin`, `style-key` and `style-test`
- cl-rsb-formatting.asd (system cl-rsb-formatting): added file `formatting/grouping-mixin.lisp`

#### Revision 495cf5de - 03/22/2012 04:30 AM - J. Moringen

Added class column-constant in formatting/columns.lisp

refs #873, #880

- formatting/columns.lisp (column-constant): new class; emit constant value  
(format-event t column-constant t): new method; emit the value
- formatting/package.lisp (package rsb.formatting): added exported symbols `column-constant`, `column-value` and `column-formatter`

#### Revision 327f4e8c - 03/28/2012 03:07 PM - J. Moringen

Updated initarg blacklist in formatting/help.lisp

refs #873, #880

- formatting/help.lisp (make-style-help-string): added `initargs` `sort-predicate` and `sort-key` to blacklist

#### Revision 51cca974 - 03/28/2012 03:07 PM - J. Moringen

Improved sub-style-for in formatting/sub-style-grouping-mixin.lisp

refs #873, #880

- formatting/sub-style-grouping-mixin.lisp  
(sub-style-for sub-style-grouping-mixin t): after adding the sub-style, retry the next method instead of initiating a new call to ``sub-style-for'`

### Revision 3bf01fdd - 04/10/2012 08:55 PM - J. Moringen

Added protocol and mixin in formatting/temporal-bounds-mixin.lisp

refs #880

- formatting/types.lisp (timestamp/unix/nsec): new type; used by temporal bounds protocol
  - (time-spec/variable): likewise
  - (time-spec/operator): likewise
  - (time-spec): likewise
  - (time-spec-p): new function; helper for type `time-spec`
  - (bounds-spec): new type; used by temporal bounds protocol
- formatting/protocol.lisp (lower-bound): new generic function; part of temporal bounds protocol
  - (setf lower-bound): likewise
  - (upper-bound): likewise
  - (setf upper-bounds): likewise
  - (bounds): likewise
  - (bounds/expanded): likewise
  - (range/expanded): likewise
- formatting/temporal-bounds-mixin.lisp: new file; contains `temporal-bounds-mixin` mixin class
- formatting/package.lisp (package rsb.formatting): added exported symbols timestamp/unix/nsec, time-spec, bounds-spec, lower-bound, upper-bound, bounds, bounds/expanded, range/expanded and temporal-bounds-mixin
- cl-rsb-formatting.asd (system cl-rsb-formatting): added file formatting/temporal-bounds-mixin.lisp

### Revision 8996123f - 04/10/2012 08:55 PM - J. Moringen

Added collects? protocol function in formatting/protocol.lisp

refs #880

- formatting/protocol.lisp (collects?): new generic function; determine whether a things collects data or formats events immediately
- formatting/periodic-printing-mixin.lisp
  - (collects? periodic-printing-mixin): new method; indicate that instances collect events before producing output
- formatting/quantity-column.lisp (collects? quantity-column): likewise
  - (format-event :around t quantity-column t): new method; delegate non-trigger events to `update!`
  - (format-event t quantity-column t): new method; required for dispatch; should not get called
- formatting/event-style-statistics.lisp
  - (statistics-columns-mixin::quantities): removed; no longer needed for dispatching
  - (setf style-columns :after t statistics-columns-mixin): likewise
  - (format-event :around t statistics-columns-mixin t): use `collects?` and `format-event` for dispatching
- formatting/package.lisp (package rsb.formatting): added exported symbol collects?

### Revision 38882677 - 04/10/2012 08:55 PM - J. Moringen

Added timeline stuff in formatting/{,event-style}timeline.lisp

fixes #880

- formatting/util.lisp (timestamp->unix/nsecs): new function; utility function
- formatting/timeline.lisp: new file; contains a timeline column
- formatting/event-style-timeline.lisp: new file; contains two timeline-based event formatting styles
- cl-rsb-formatting.asd (system cl-rsb-formatting): added file formatting/timeline.lisp (system connection cl-rsb-formatting-and-cl-rsb-stats): added file formatting/event-style-monitor.lisp
- CMakeLists.txt: added test cases for timeline styles

### Revision e8943081 - 04/10/2012 08:55 PM - J. Moringen

Fixed deps of formatting/timeline.lisp in cl-rsb-formatting.asd

refs #880

- cl-rsb-formatting.asd (system cl-rsb-formatting): removed file formatting/timeline.lisp (system connection cl-rsb-formatting-and-cl-rsb-stats): added file formatting/timeline.lisp

## History

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### #1 - 02/15/2012 10:23 AM - J. Wienke

Actually we have exactly this as a python gui tool ;)

### #2 - 02/15/2012 10:23 AM - J. Wienke

project:rsbeventvis

### #3 - 02/15/2012 11:15 AM - J. Moringen

Johannes Wienke wrote:

| *project:rsbeventvis*

Yes, I know that project. Writing "It would be cool" is just my kind of humor.

Seriously though:

- The graphical event visualization has rather heavy dependencies (in my opinion)
- It is inconvenient to obtain another tool in order to inspect a system (in my opinion)
- In my tests, the graphical event visualization died under heavy load and produced quite some load itself
- In my tests, the graphical event visualization died on unexpected payload types
- The described formatting style could be modularly integrated into other styles (like the column-based statistics style or the scope monitor scope)

### #4 - 02/15/2012 11:23 AM - J. Wienke

Sure, bugs are expected. This is a very first version and phillip will continue to work on it when he's back from holidays.

Apart from the dependencies, I am sure there are more visualization and interaction possibilities with a graphical tool. But these are not implemented right now.

**#5 - 03/02/2012 07:15 PM - J. Moringen**

- *Target version set to rsb-0.7*

**#6 - 03/22/2012 04:31 AM - J. Moringen**

- *% Done changed from 50 to 80*

**#7 - 04/10/2012 08:58 PM - J. Moringen**

- *Status changed from In Progress to Resolved*

- *% Done changed from 80 to 100*

Applied in changeset r3537.