

New Features of CadnaR Version 2023 MR1

New features of CadnaR 2023 can be found [here](#).

Features

- PlotDesigner significant functional expansion:
 - Multipage printouts.
 - New cell type diagram to display the spatially averaged reverberation time
 - New container type “freely positionable”, Function "Catch children" moves and - if necessary - scales the child cells if they do not fit into the container.
 - Plan cell: evaluation parameter (e.g. Level, STI) now selectable.
 - New command “create table”.
 - Mouse wheel zoom for easy zooming in the PlotDesigner view.
 - Undo / Redo commands available via symbol bar, menu bar and keyboard shortcuts CTRL+Z and CTRL+Y.
 - Keyboard shortcuts CTRL+C and CTRL+V to easily copy and paste cells.
 - Panning the view is now possible by holding down the mouse wheel or the middle mouse button.
 - Grid lines are now displayable.
 - Selection of objects in the PlotDesigner view improved:
 - Single click with left mouse button: With a single click - irrespective of the cell type - the cell which is in the foremost level in the view is always selected.
 - ALT key + single click with left mouse button: Similar to single click, but the selection only takes into account cells that are not containers.
 - CTRL + click with the left mouse button on a selected cell: Selects the higher-level container in the tree structure that contains the cell. With this function you can easily switch through the hierarchy levels.
 - Horizontal and vertical containers now with checkbox "consume unused space automatically" (default = active). If activated, this function corresponds to an empty cell with setting "as large as possible" in last position.
 - For an empty cell in a horizontal or vertical container, the size setting "auto" now corresponds to "as large as possible" in the respective container direction.
 - Axis labelling is no longer displayed for rotated sections.
- SketchUp Import updated to SketchUp 2023
- Diagrams for reverberation time and level spectra: now up to 10 Presets available to save and load the diagram settings.
- Grid Arithmetics significantly accelerated.
- Symbol: Scale bar now available
- Modify Attributes and Change Column: Replace ### with Numbering now all to set a starting number.

Bugfixes

- ObjectTree Partial Levels: bugfix for the summation of the ObjectTree groups when spectra are not displayed
- Erroneous Export to MS Excel and MS word fixed

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- New function "Dosimeter" for determining the noise dose or occupational noise exposure level. Accessible via the Dosimeter-Icon in the toolbar or Tables|Libraries(local)|Dosimeter.
- New function: "Save Partial levels per Variant" in Tables|Variants. Before: Partial levels available only for the variant which was calculated last.
- New function: Calculation|Delete calculation results to delete partial levels and calculation results (single value and spectral) stored in receivers and receiver chains.
- Improved display of bitmap objects due to updated bitmap resampling.
- "Modify attribute" now available via the context menu of a multiselection. Attribute selection pre-filtered to the common attributes, i.e. attributes contained in all object types of the multiselection.