UseCase.0045 (1.1)

Creating Nice 1D-Diagrams
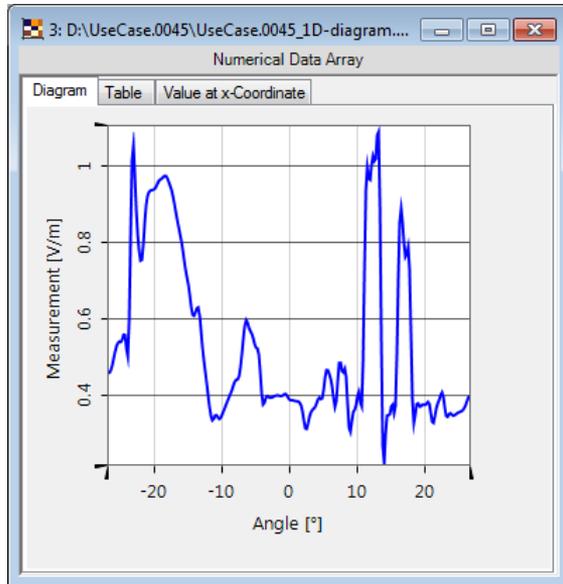
Keywords: 1D view, y=f(x), axis, axes, graph, line, symbol, font size, presentation

Description

- This use case demonstrates how to configure 1D diagrams in a way that meets the demands of an appealing presentation.

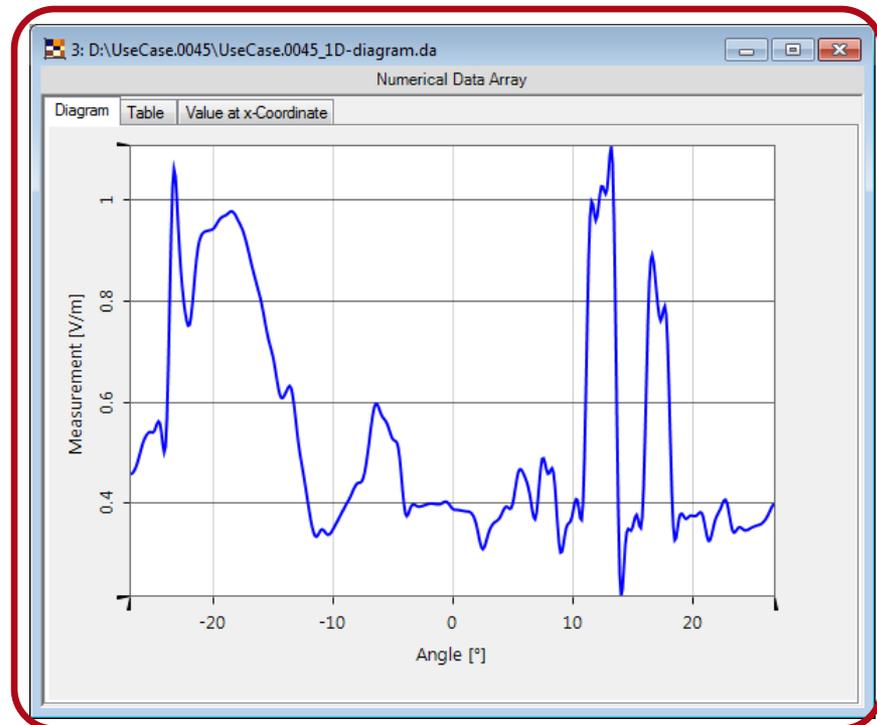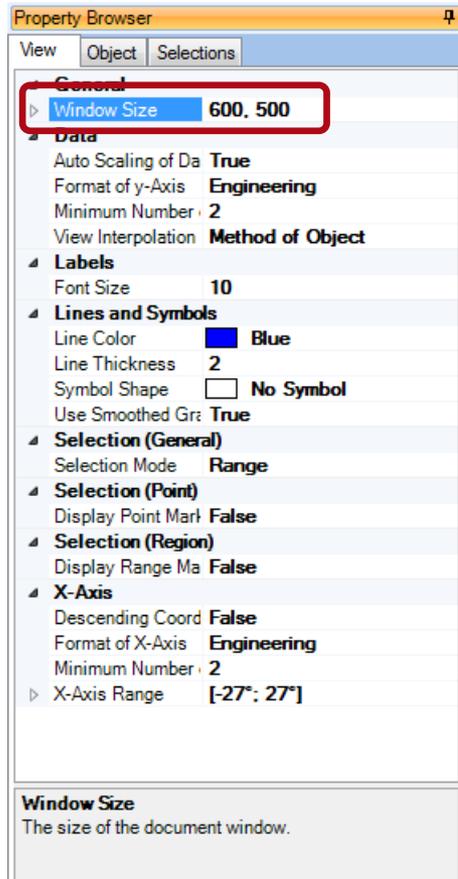- The configuration of 1D-diagrams (used for y=f(x)) will be shown here.

Standard View Parameters

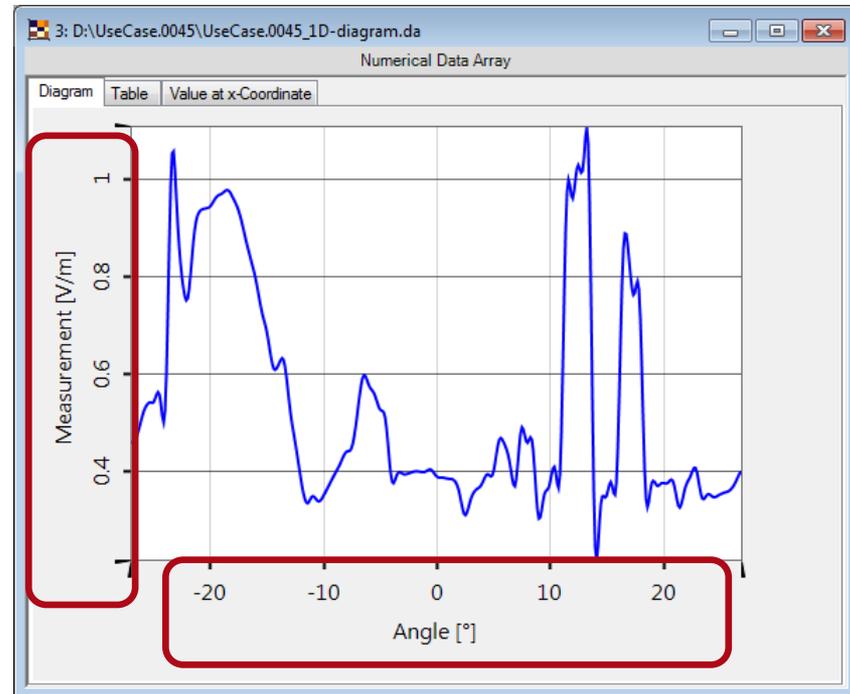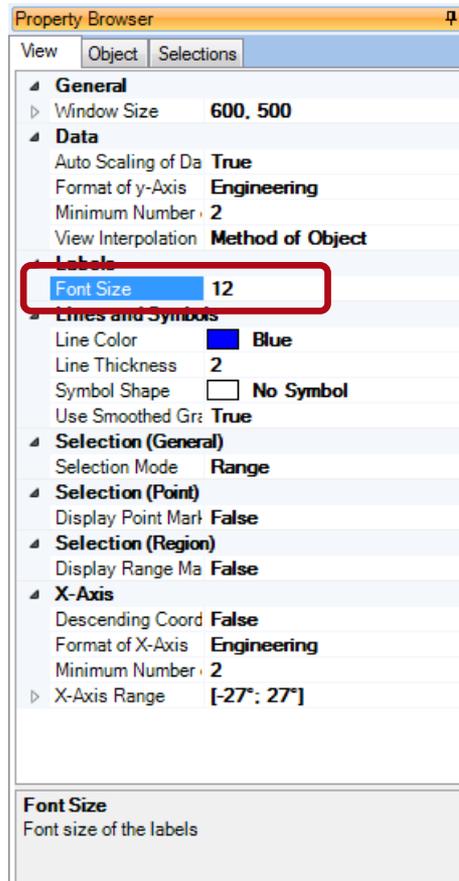After loading the 1D sample diagram, it will be shown using the standard view parameters.

Window Size

The window size can be defined by just dragging one of the corners as well as by entering the desired size into the Property Browser.
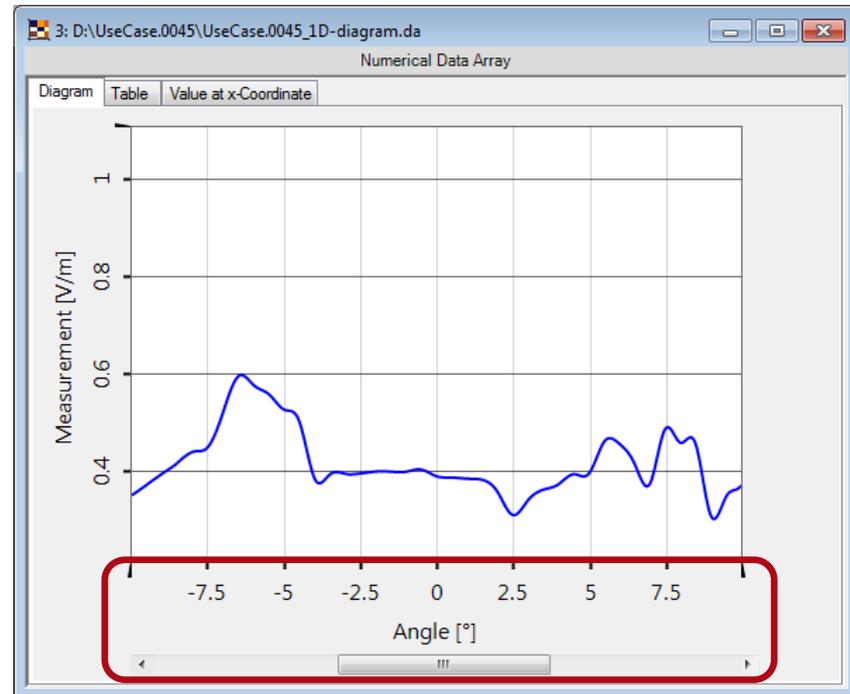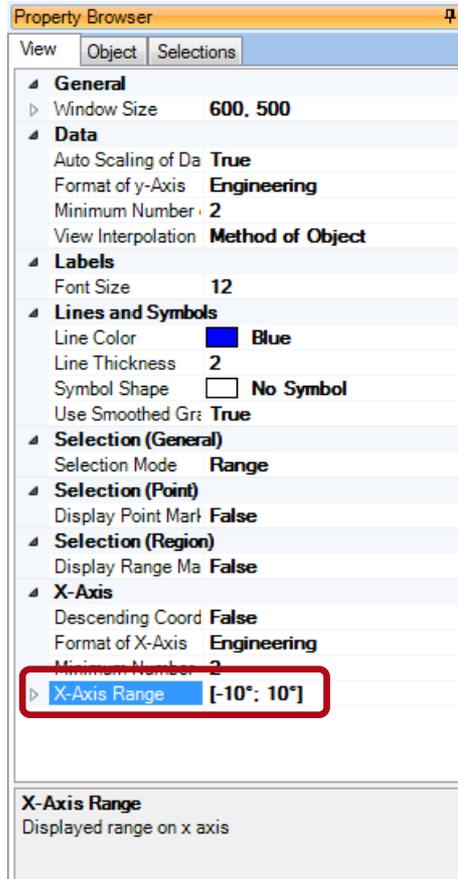
Font Size

Increasing the font size improves the readability of the axis labels and the axis tick labels.
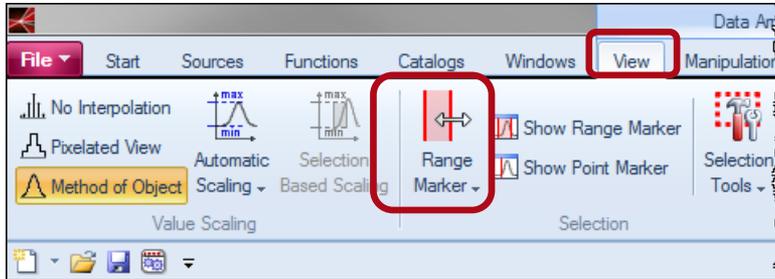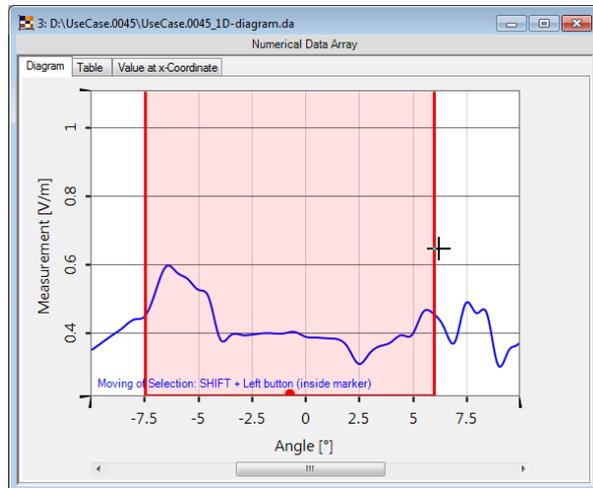
Coordinate Range

If a certain coordinate range is to be shown, this can be specified via the Property Browser too.
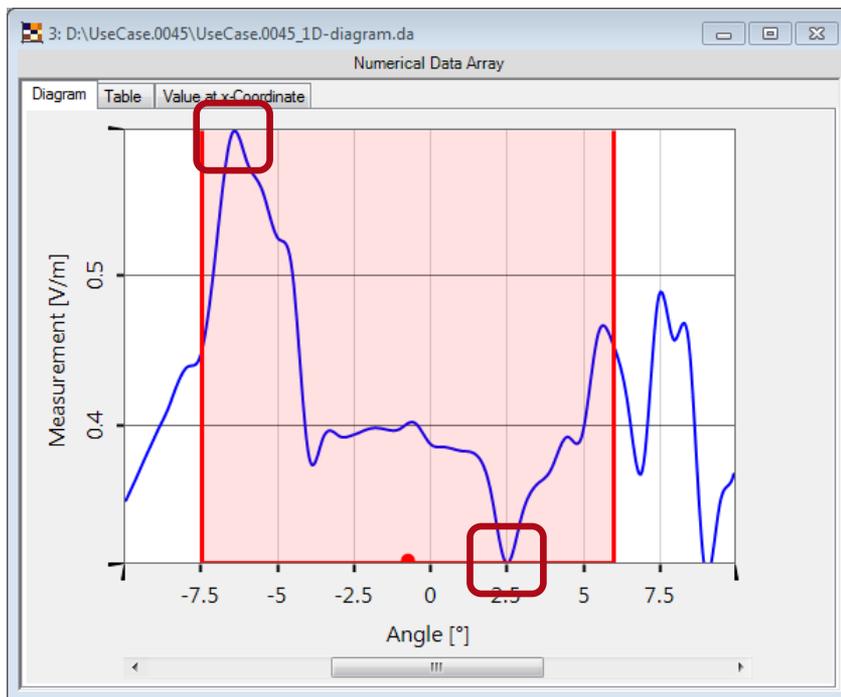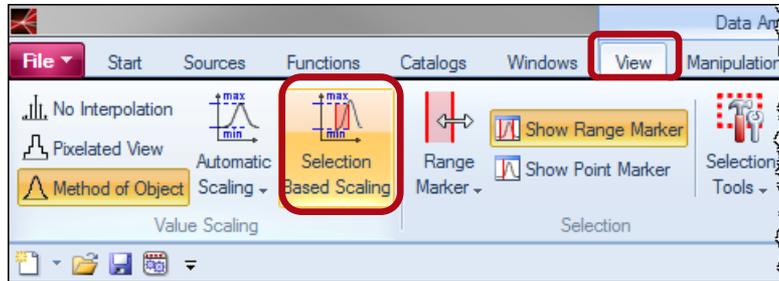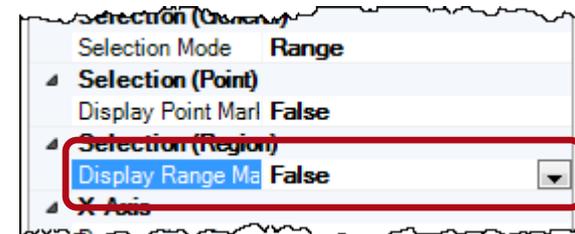
Selection Based Scaling I

- If we want to scale the shown values for better usage of the diagram space, it is recommended to activate the Range Marker first…

- …followed by marking the range that shall be used for rescaling.
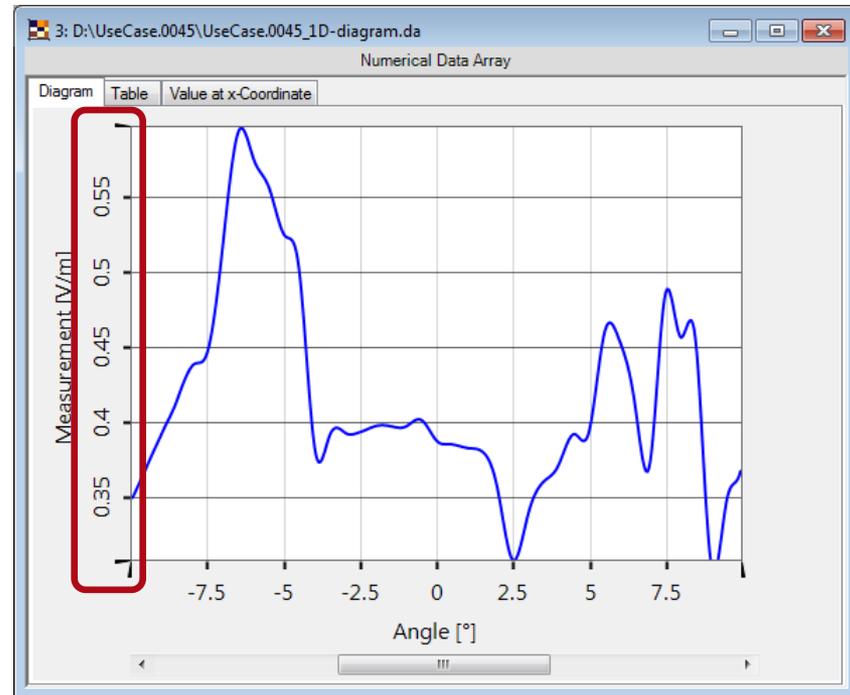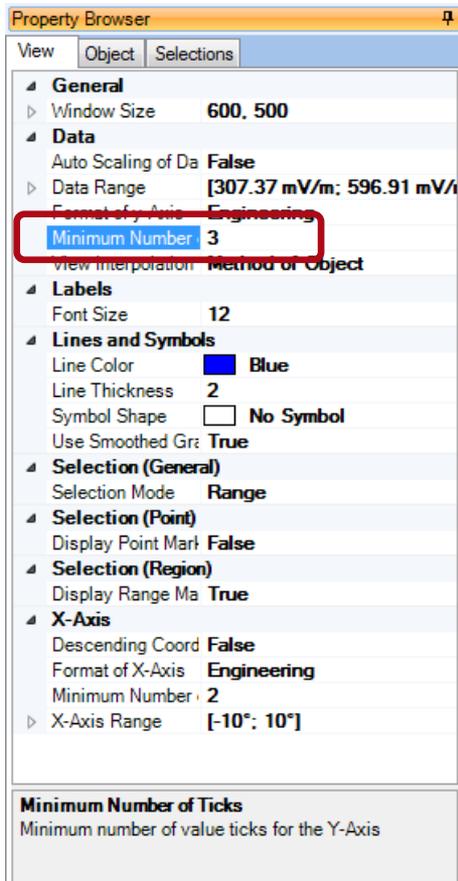
Selection Based Scaling II

- Choosing „Selection Based Scaling" will lead to a rescaled y-axis of the diagram where the available vertical space is used completely by the selected data range.

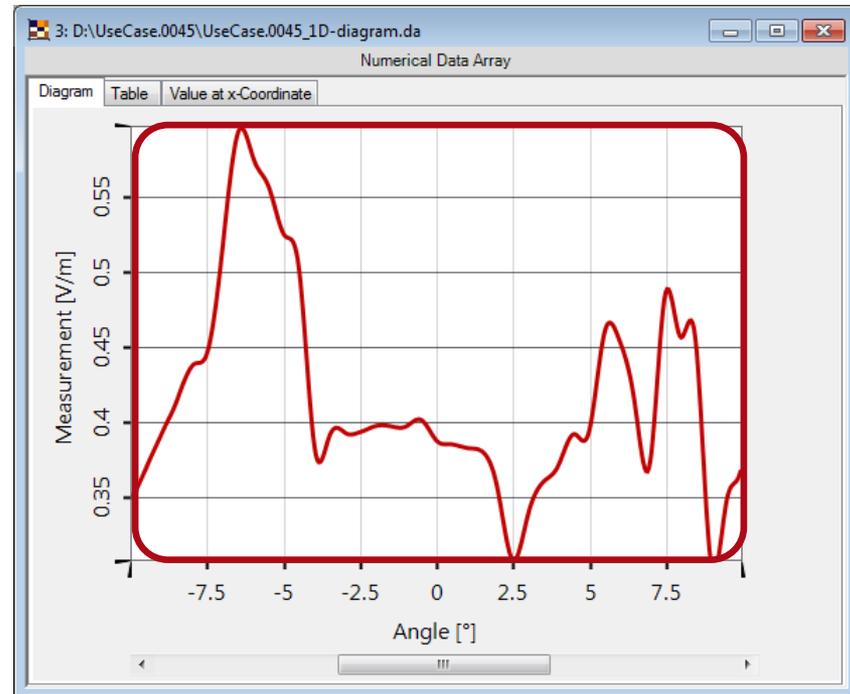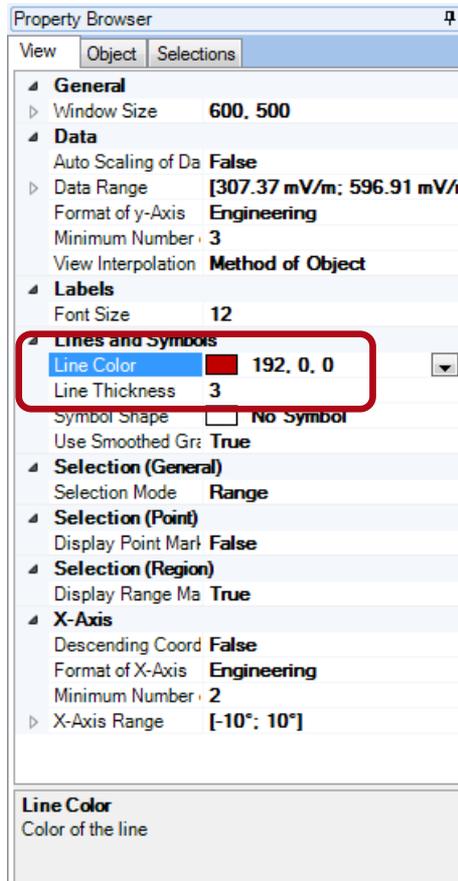- The range marker can then be deactivated.

Number of Axis Ticks

The number of ticks for the y-axis will be increased by setting a higher value for "Minimum Number of Ticks" in the "Data" section of the Property Browser.
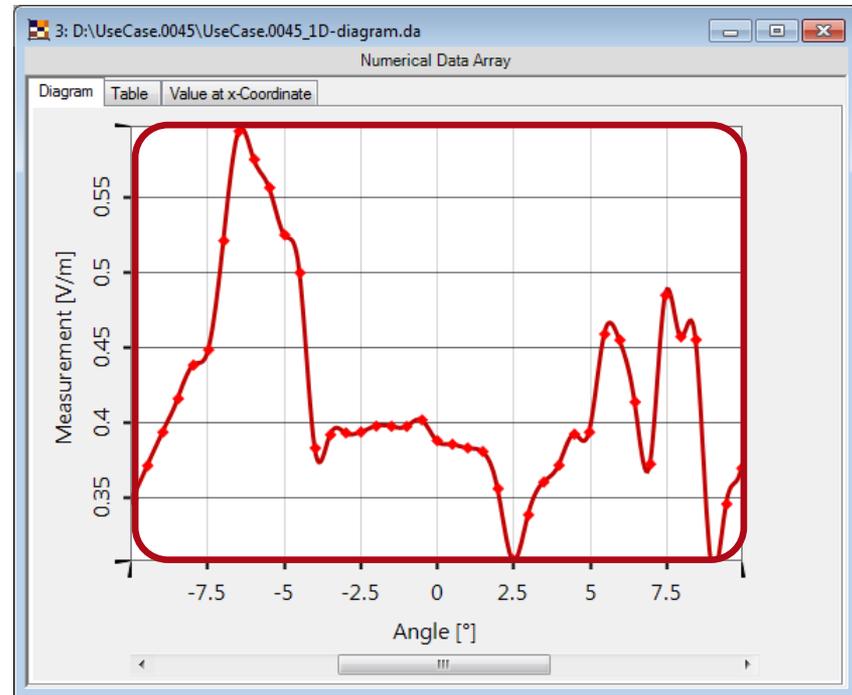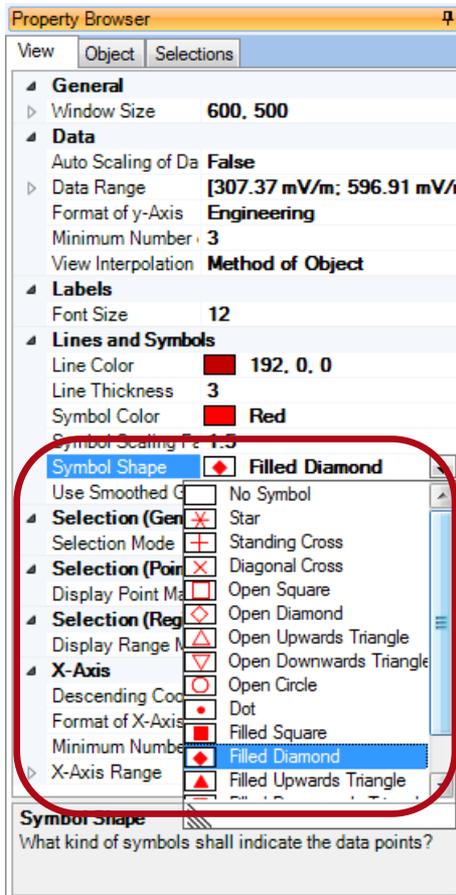
Line Thickness and Color

If a different line thickness or line color is desired, it can be changed via the Property Browser as well.
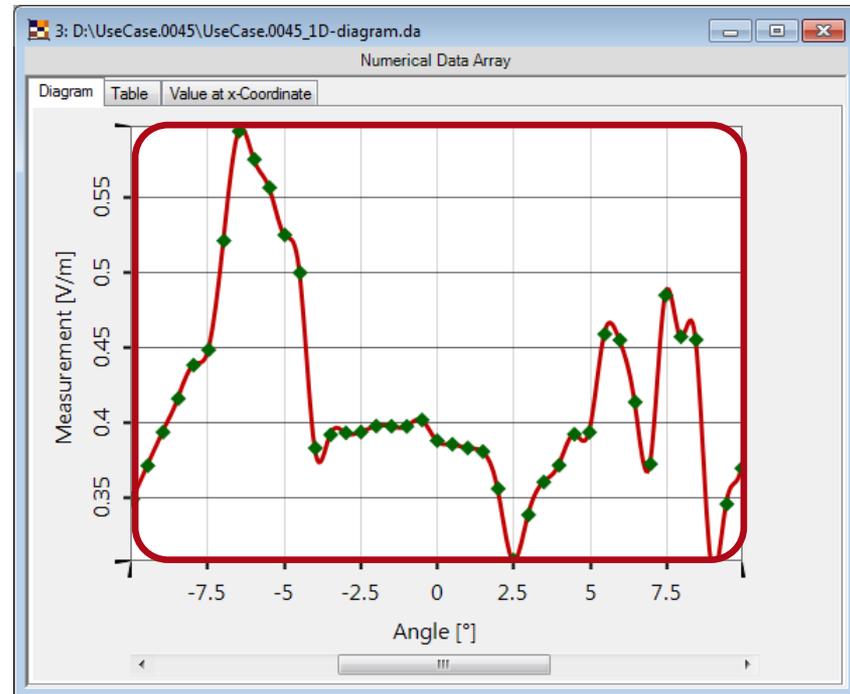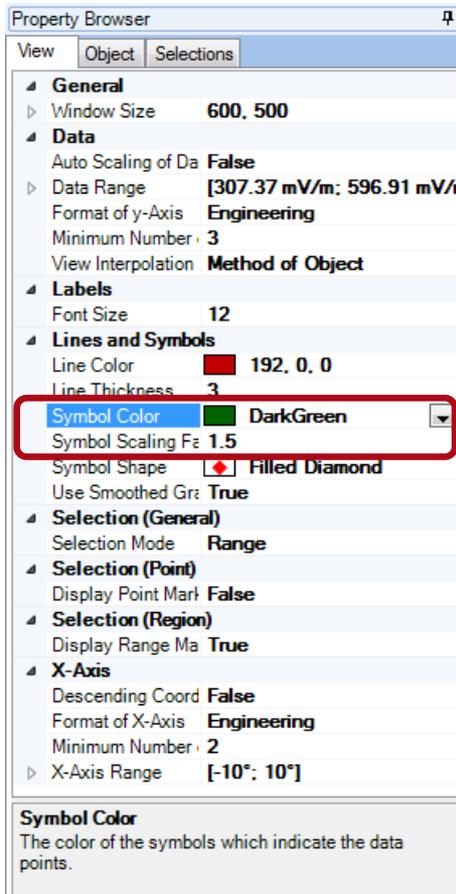
Data Point Symbols

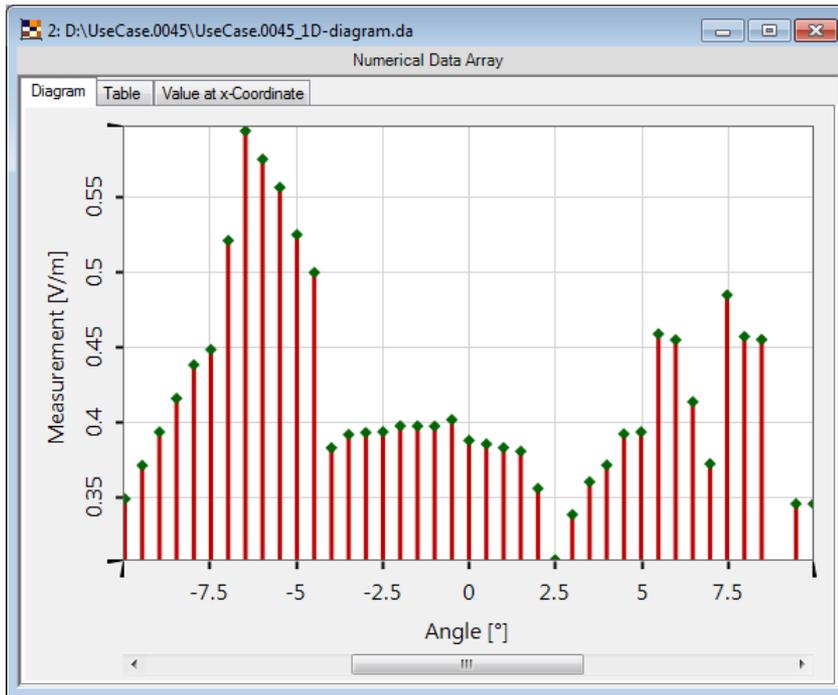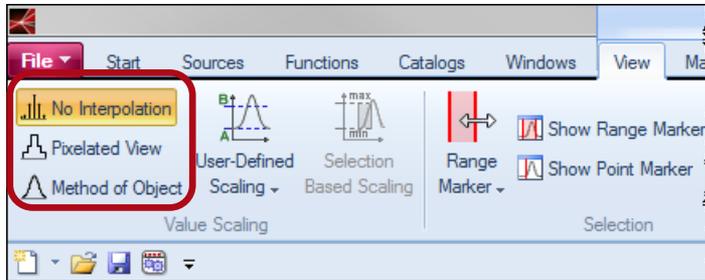Symbols marking the single data points can be activated too.

Symbol Color and Size

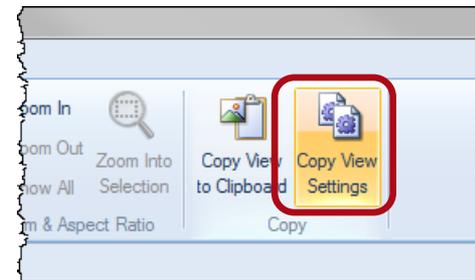The symbols' color and size can be set to suitable values.

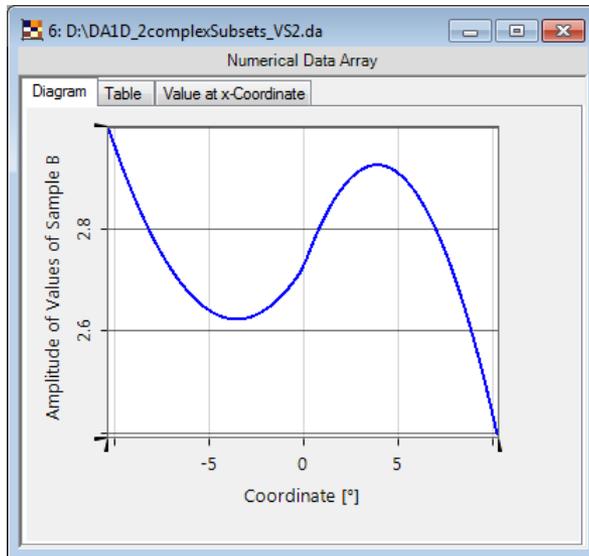# Non-interpolated View

- If it is desired that no interpolation be seen between the data points…

- …it can be deactivated.

Copy View Settings I

- The view configuration of one diagram can be transferred easily to another one.

- While the diagram the settings shall be copied to is activated, "View > Copy View Settings" has to be called.

Copy View Settings II

- After selecting the diagram the settings shall be copied from,…

- …the view configuration is tranferred automatically.