JavaScript Charting Documentation - SciChart JavaScript Charts SDK v3.x

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What is the ChartModifier API

Within the SciChart.js JavaScript Chart SDK, ChartModifiers are the classes which can be added to a *SciChartSurface* 🔖 to give it a **certain behavior**. For instance, all **zooming, panning operations**, **tooltips**, **legends** and even **selection** of points or lines are handled by *ChartModifierBase* 🔖 derived classes in the SciChart codebase.

There are many different ChartModifiers provided by SciChart and each one deserves an article by itself! This article is concerned with simply giving an overview of the modifiers and where you can find the examples in our Examples Suite which demonstrate them.

There are also several individual articles on the ChartModifiers and how to configure them in the SciChart.js Documentation. Please find them at the bottom of this page.

Zoom, Pan Modifiers

The following modifiers can be used if you want to add scrolling or zooming behavior to a chart:

Modifier Name	Description
ZoomPanModifier 🔖	**Pans** the chart in X, Y or both directions with inertia via finger sliding.
MouseWheelZoomPanModifier 🔖	**Zooms** the chart in or out on mouse-wheel (or two finger scroll).
XAxisDragModifier 🔖	**Scales** or pans an X Axis via mouse-drag.

YAxisDragModifier 🔖	**Scales** or pans an Y Axis via mouse-drag.
RubberBandXyZoomModifier 🔖	**Zooms** a chart inside a rectangle or horizontal section that is drawn on the chart with a finger.
ZoomExtentsModifier 🔖	**Resets the zoom** to the data extents via double-tapping.
SciChartOverview 🔖	Creates an **overview chart** that allows you to **zoom and pan** the main chart

Interactivity, Tooltips, Cursor Modifiers

These modifiers allow to interact with chart series or inspect them:

Modifier Name	Description
RolloverModifier 🔖	Provides a **vertical slice cursor with tooltips** and markers rolling over a series.
CursorModifier 🔖	Provides a **crosshairs** with a tooltip and axis labels.

Miscellaneous Modifiers

Modifiers below are used as helpers and can be a useful addition to a chart:

Modifier Name	Description
LegendModifier 🔖	Allows creation and configuration a **Legend** for a chart.

> 💡 To learn more about ChartModifiers API, please read the Common ChartModifiers Features 🔖 article. To find out about a specific ChartModifier type, please refer to a corresponding article about this Modifier type.

◢See Also

Common ChartModifiers Features 🔖

Cursors and Tooltips

The CursorModifier Type 🔖
Rollover Modifier 🔖

Zooming And Panning

ZoomPanModifier 🔖

ZoomExtentsModifier 🔖

RubberBandXyZoomModifier 🔖

YAxisDragModifier 🔖

XAxisDragModifier 🔖

Easy Overview charts with SciChartOverview 🔖