

# The Thin Kieler SyncCharts Editor (ThinkCharts)

## Project Overview

### Project Status:

- CURRENTLY **NOT** UNDER ACTIVE DEVELOPMENT
- Successor Project: [SCCharts \(pre 1.0\)](#)

### Related Theses:

- Matthias Schmeling, *ThinkCharts – The Thin KIELER SyncCharts Editor*, September 2009 ([pdf](#))

The Thin Kieler [SyncCharts](#) Editor (ThinkCharts) is an Eclipse-based [SyncCharts](#) modeling environment with advanced features such as structure-based editing, automatic layout and dynamic simulation visualization.

- [SyncCharts Editor User Guide](#)
- [Simulation of SyncCharts using KlePto](#)
- [Customization of Automatic Layout](#)
- ThinkCharts Implementation Internals
- Metamodels behind SyncCharts
- API documentation
  - especially see these packages for more documentation of the metamodels:
    - `de.cau.cs.kieler.synccharts`
    - `de.cau.cs.kieler.core.annotations`
    - `de.cau.cs.kieler.core.expressions`
- Downloads
  - Start with the KIELER Rich Client Application (RCA) Release 0.3. With this standalone application you can play with [SyncCharts](#) and get familiar with them.
  - Later, you can download Eclipse 3.6 and get the KIELER plugins into that via our update site. There you can then start to programmatically interface with KIELER.

[KIELER](#) ThinkCharts Editor in Simulation with KlePto

## General

- **Documentation of SyncCharts:** C. ANDRÉ: Semantics of SyncCharts, Technical Report RR2003-24, ISRN I3S/RR-2003-24-FR, I3S, Sophia Antipolis, April 2003, 76 pages. <http://www.i3s.unice.fr/%7Eandre/CA%20Publis/SSM03/RR200324.pdf>
- **Documentation of Eclipse:** <http://help.eclipse.org>