

Institut für Informatik

Christian-Albrechts-Universität zu Kiel

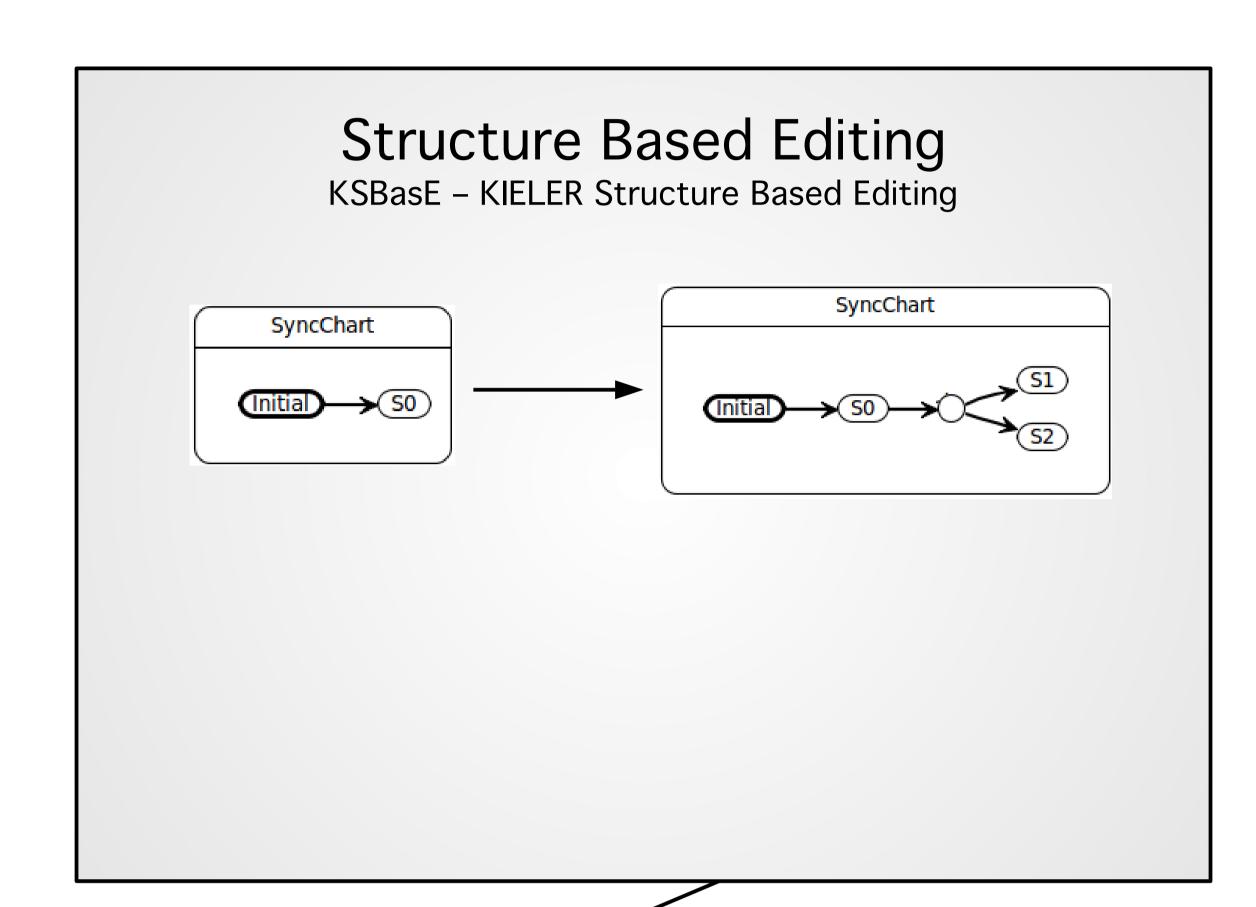
Faculty of Engineering

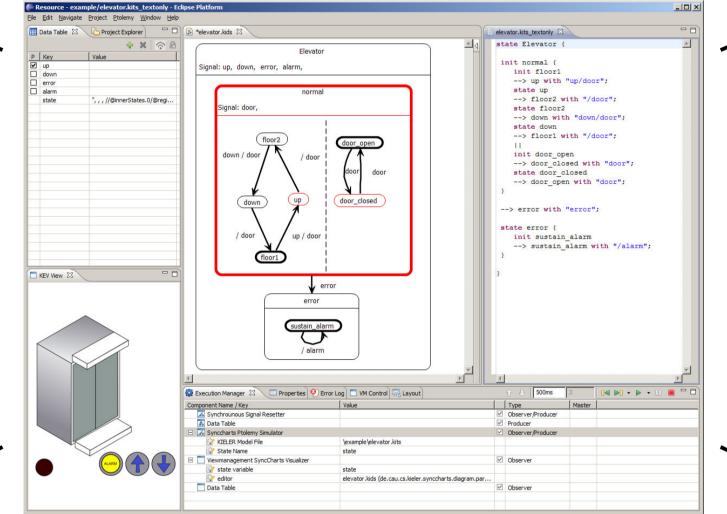
Department of Computer Science

KIELER

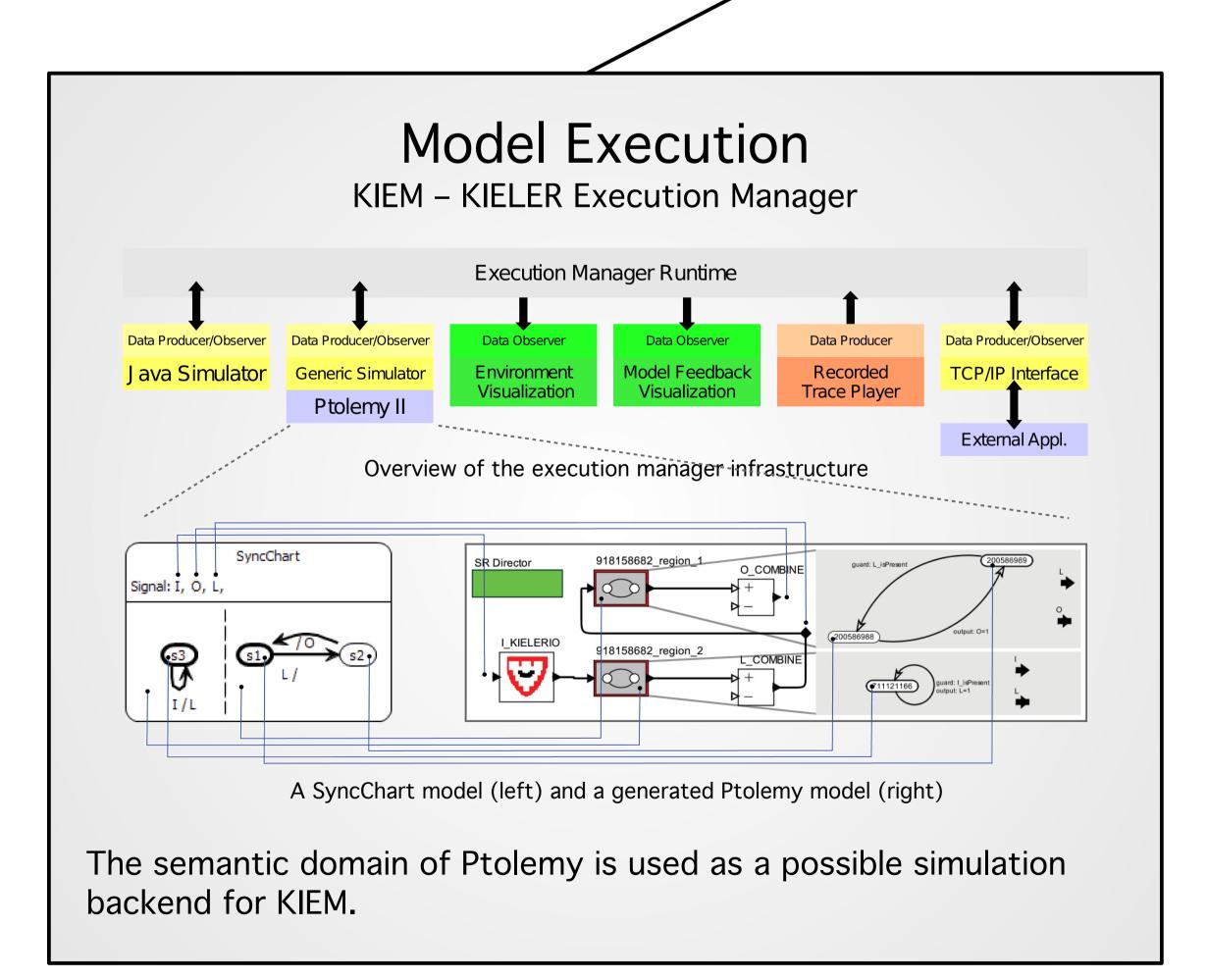
Enhancing Graphical Modeling in Eclipse

Automatic Layout KIML - KIELER Infrastructure for Meta Layout [2] Layout of a SyncChart diagram Layout of a data flow diagram Automatic layout of GMF diagrams Generic interface for layout algorithms Flexible configuration of layout options by the user





KIELER - Kiel Integrated Environment for Layout Eclipse RichClient [1]



Model Comparison KiViK - KIELER Visual Komparison [3] Structural differences ▽ 🦩 7 change(s) in Region 1 change(s) in Simple State S 1 Weak Abortion B has been removed Simple State S 2 has been removed Weak Abortion H has been added Neak Abortion has been added Simple State S 3 has been added 🔃 Visualization of Diagram Differences models/ssm/u....ssm_diagram | models/ssm/um...2.ssm_diagram Diagram Differences "1 Diagram Differences "]

Visualizes differences in two versions of a model graphically

- Integrates into standard Eclipse GMF and comparison mechanisms
- Employs EMF Compare project as differencing engine
- Employs automatic layout and automatic zooming and scrolling for navigation

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Further Information:

http://www.informatik.uni-kiel.de/rtsys/kieler

[1] Hauke Fuhrmann and Reinhard von Hanxleden. On the Pragmatics of Model-Based Design.
Technical Report 0913, Christian-Albrechts-Universität zu Kiel, Department of Computer Science,

[2] Miro Spönemann, Hauke Fuhrmann, Reinhard von Hanxleden, and Petra Mutzel. Port Constraints in Hierarchical Layout of Data Flow Diagrams. In *Proceedings of the 17th International* Symposium on Graph Drawing (GD'09), LNCS, Chicago, September 2009.

[3] Arne Schipper, Hauke Fuhrmann, and Reinhard von Hanxleden. Visual Comparison of Graphical Models. In Proceedings of the Fourth IEEE International Workshop UML and AADL, held in conjunction with the 14th International International Conference on Engineering of Complex Computer Systems (ICECCS'09), Potsdam, Germany, 2009.