

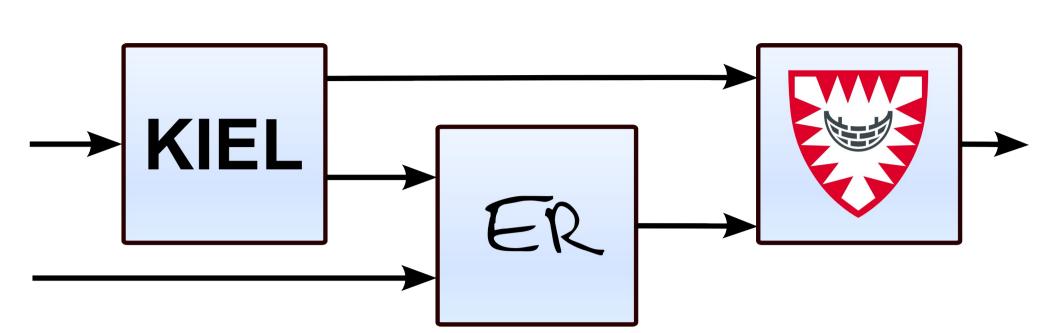
Institut für Informatik

CAU

Christian-Albrechts-Universität zu Kiel

Faculty of Engineering

Department of Computer Science

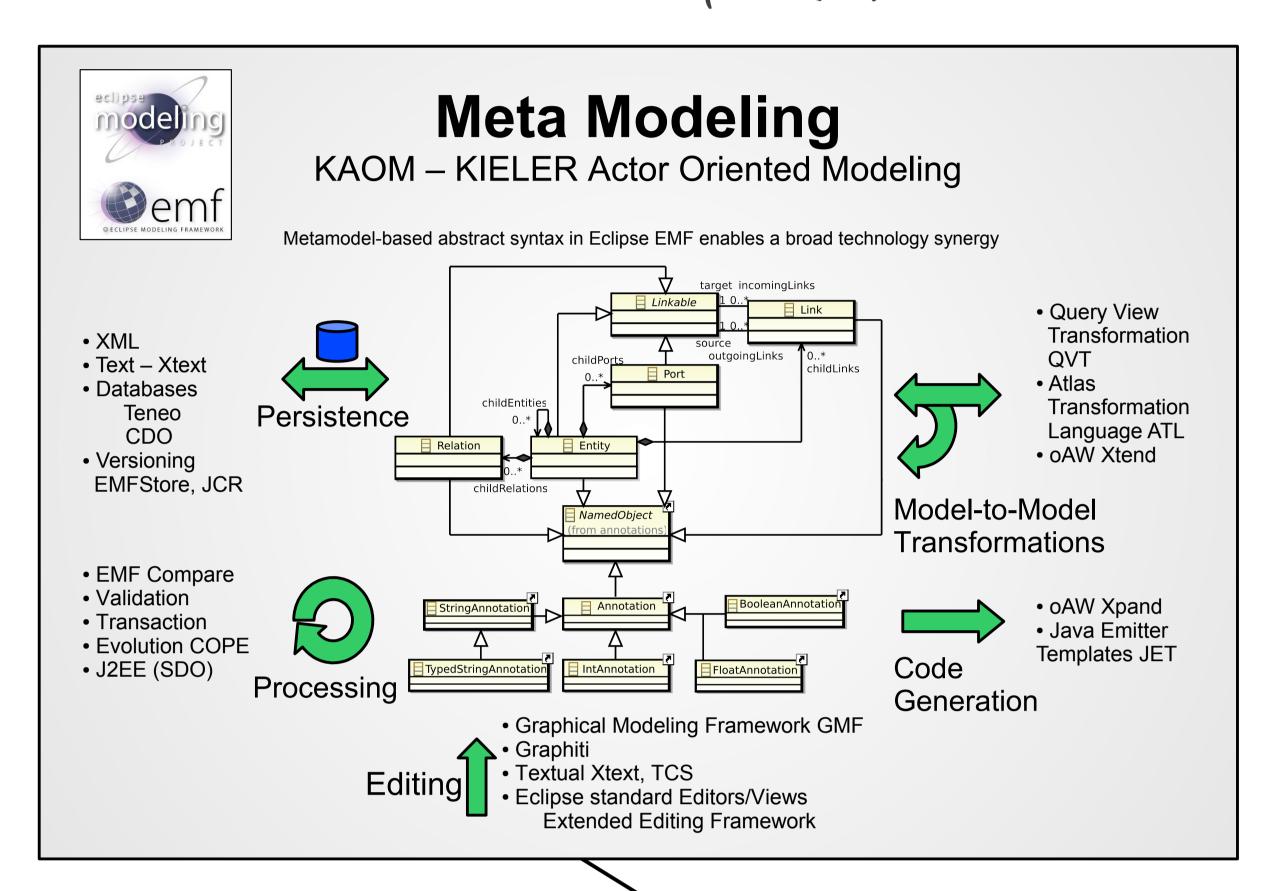


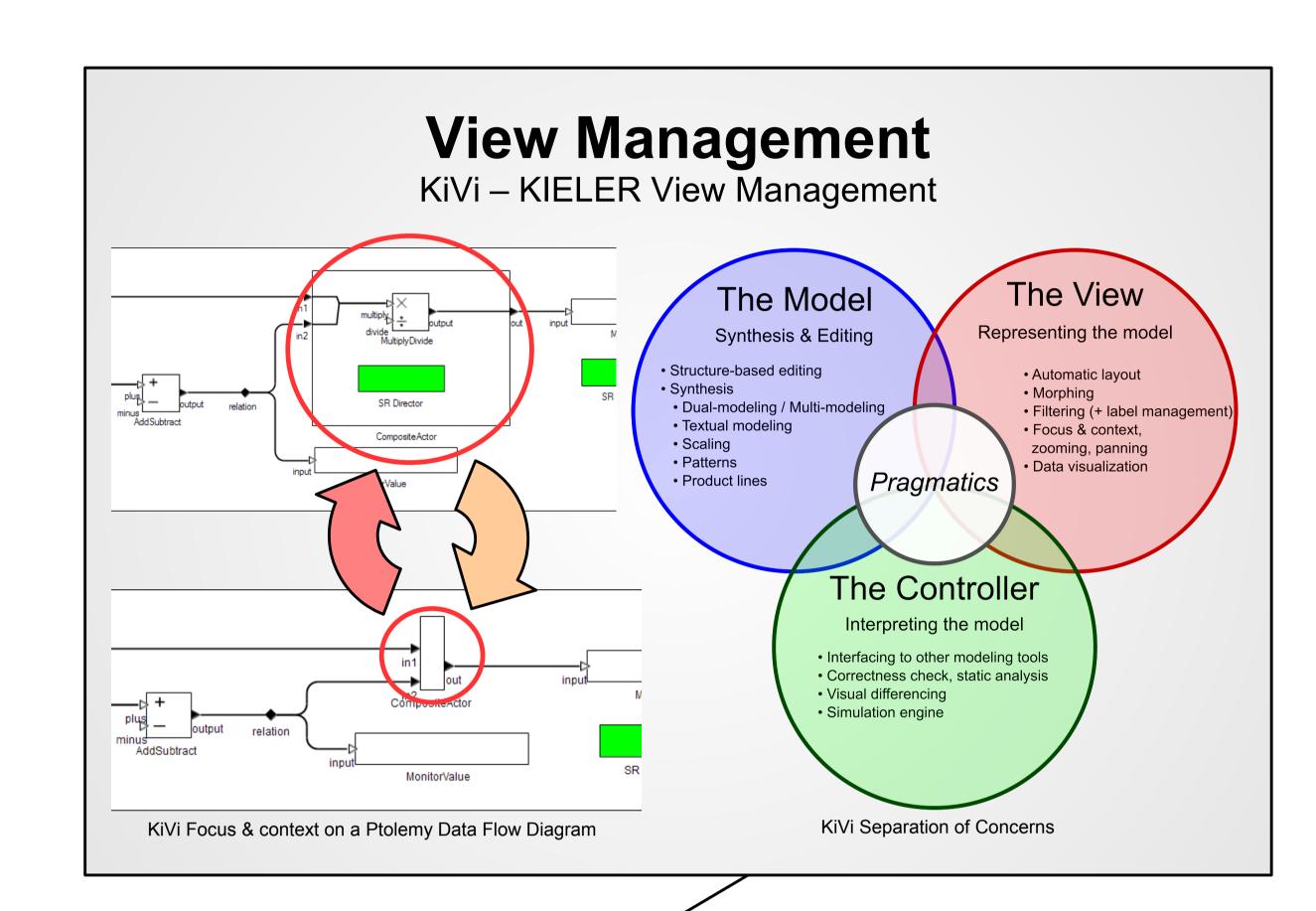
KIELER Actor Oriented Modeling

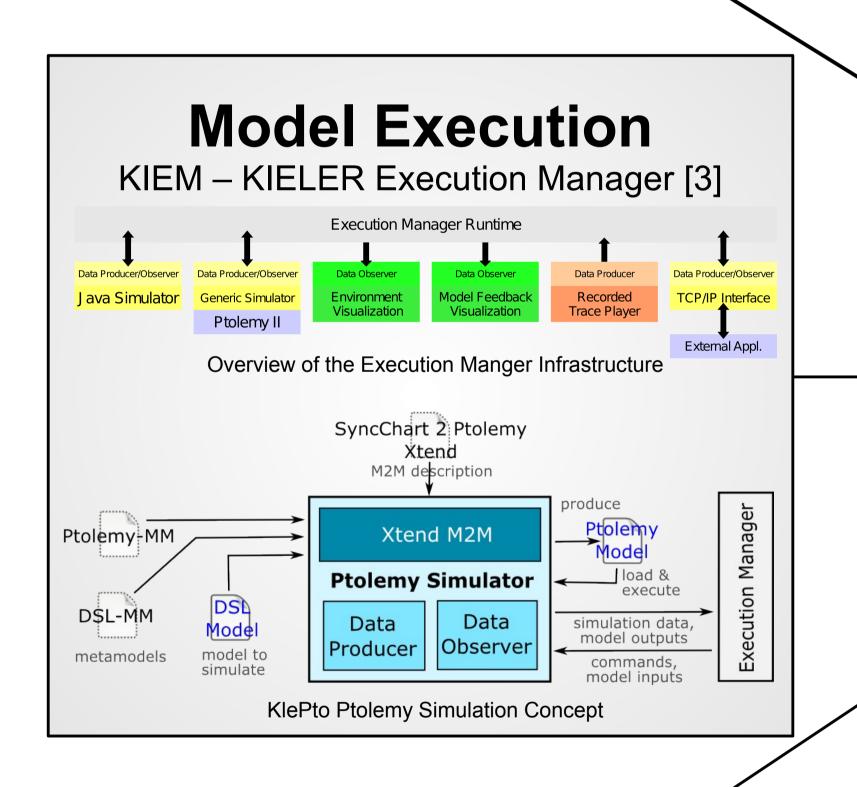
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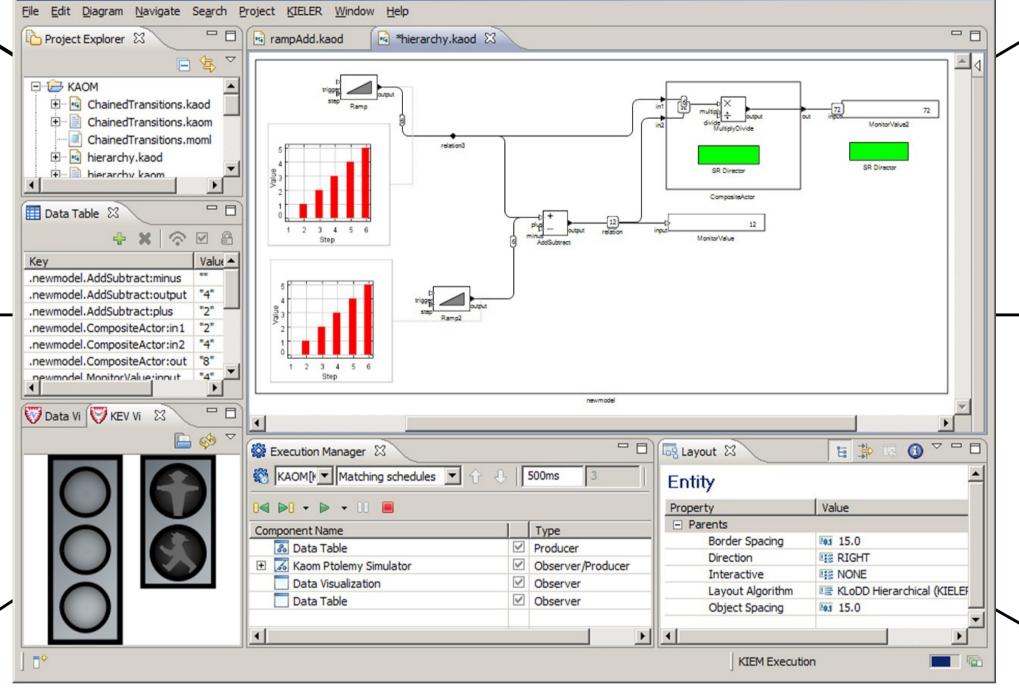
Kiel Integrated Environment for Layout

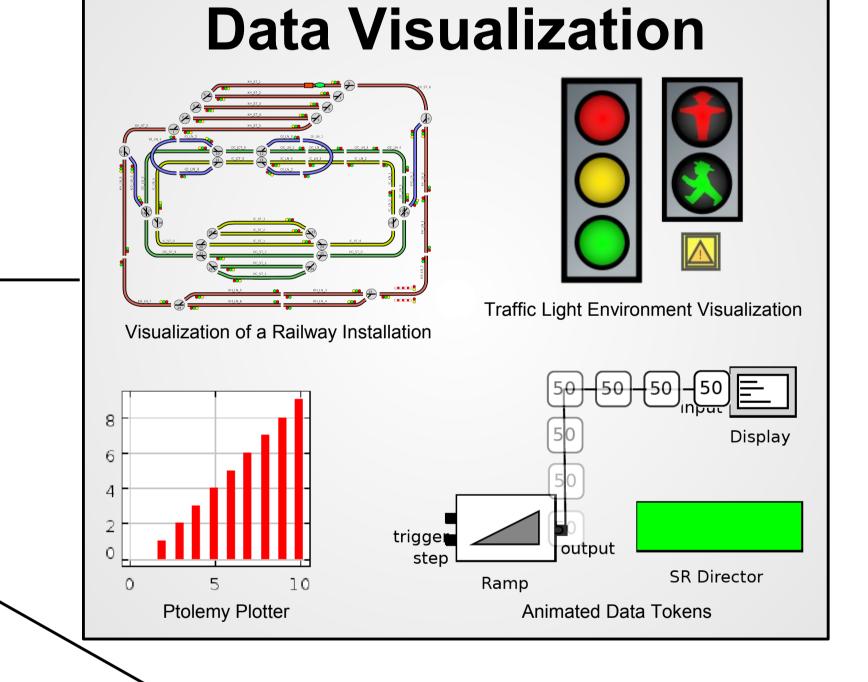
Edipse Rich Client











KAOM with Automatic Layout, Ptolemy rendering and Simulation in KIELER

Automatic layout integrated into Ptolemy's graphical editor Vergil

Model Rendering KARMA – KIELER Advanced Rendering for Model Appearance Possible customized model rendering options: E.g., Ptolemy, LabView, Simulink, AddSubtract ASCET, SCADE Ptolemy Actor Rendering GMF editor support, Graphiti (planned) This block is generating a decreasing continuous signal with initial state as 5.0 and decreasing slope as -1.0. Rendering Ptolemy Annotations Display SR Director simpleRamp Rendering Ptolemy State Machines Rendering Ptolemy Data Flow

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Further Information:

- http://www.informatik.uni-kiel.de/rtsys/kieler
- [1] Hauke Fuhrmann and Reinhard von Hanxleden. Taming Graphical Modeling. In Proceedings of the ACM/IEEE 13th International Conference on Model Driven Engineering Languages and Systems (MoDELS'10), LNCS, Oslo, Norway, 2010. Springer.
- [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] Christian Motika, Hauke Fuhrmann and Reinhard von Hanxleden. Semantics and Execution of Domain Specific Models.
- In 2nd Workshop Methodische Entwicklung von Modellierungswerkzeugen (MEMWe 2010) at conference INFORMATIK 2010, GI-Edition Lecture Notes in Informatics (LNI), Leipzig, Germany, 2010.

[4] Reinhard von Hanxleden. SyncCharts in C—a proposal for light-weight, deterministic concurrency. In *Proceedings*

of the International Conference on Embedded Software (EMSOFT'09), Grenoble, France, October 2009.

[5] Miro Spönemann, Hauke Fuhrmann and Reinhard von Hanxleden. Automatic Layout of Data Flow Diagrams in KIELER and Ptolemy II. Technical Report 0914, Christian-Albrechts-Universität zu Kiel, Department of Computer Science, July 2009.