KIELER Actor Oriented Modeling

Kiel Integrated Environment for Layout

Meta Modeling
KAOM – KIELER Actor Oriented Modeling

- Query View Transformation
- DTF
- Transformation language ATL
- QVT

Model-to-Model Transformations

View Management
KVI – KIELER View Management

KAOM with Automatic Layout, Ptolemy rendering and Simulation in KIELER

Automatic Layout
KIEM – KIELER Infrastructure for Meta Layout [2, 5]

- Automatic layout of GMF and Graphiti diagrams
- Generic interface for layout algorithms
- Flexible configuration of layout options by the user
- 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, ASCET, SCAD
  - GMF editor support, Graphiti (planned)

Data Visualization

KAOM with Automatic Layout, Ptolemy rendering and Simulation in KIELER

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