



The diagram illustrates the KIVI Separation of Concerns, showing the Model, View, and Controller components and their interactions.

**The Model (Synthesis & Editing)**

- Structure-based editing
- Synthesis
- Quasi-modeling / Multi-modeling
- Textual modeling
- Scaling
- Patterns
- Product lines

**The View (Representing the model)**

- Automatic layout
- Filtering (incl. label management)
- Focus & context, zooming, panning
- Morphing
- Data visualization

**The Controller (Interpreting the model)**

- Interfacing to other modeling tools
- Correctness check, static analysis
- Visual differencing
- Simulation engine

**Pragmatics**

**KIVI Separation of Concerns**

The diagram also shows a Ptolemy Data Flow Diagram (DFD) with components like **SP Director**, **CompositeActor**, **MonitorValue**, and **Value**, illustrating the focus and context of the KIVI framework.

Rendering Ptolemy Annotations

Rendering Ptolemy State Machines

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