What's new about Julia Implementation of Fractal ?
What's new in the formal specification of Fractal in Alloy ?
So what's about concrete examples ?
So what's about View Transformation Language ?

Open Discussion

Abdel Hakim Hannousse

29th Meeting

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Outline

1 **What's new about Julia Implementation of Fractal ?**

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3 **So what's about concrete examples ?**

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Julia Implementation of Fractal - Constraints

Bad News

1. There is no explicit definition of active Components
2. There is no explicit implementation of concurrency on Julia

Good News

Our example with a sharing component and two interleaving aspects works on Julia
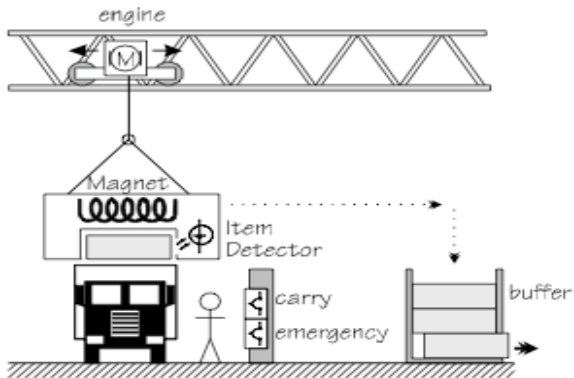
Fractal Formal Specification with Alloy

Essential Points

1. Not well-founded structures are considered in the formal specification

2. Varying the number of interfaces of a component at the runtime of a component is also considered

3. Specifies postconditions for interface operations as facts and predicates on Alloy

4. Components behavior is defined as a Merely machine, but it is limited due to the none support of closures by Alloy

5. A component may have no interface

6. Connectors are not considered with the specification

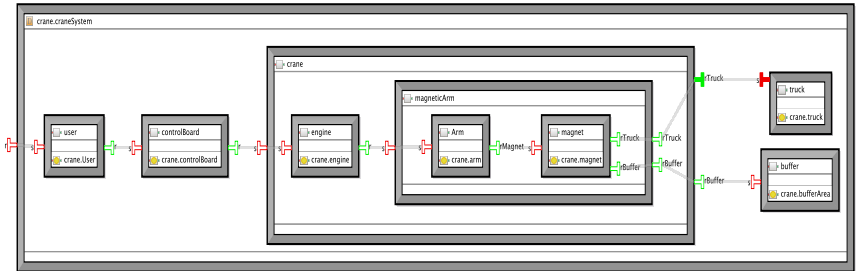7. Components can be passed as values on operations

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The Crane System

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The Crane System in Fractal

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Embedded Systems Examples

More Examples

More examples can be found in Real-Time embedded systems
but ....

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Views transformation language

A Language for View Transformation

We can start discussing now, but I prefer make it next week.