Recap: Insights and Design

 NFs naturally split into NF logic + data structures NF specs and code use common abstractions

Writing full specs is costly

 Most code in SW stack has no impact on desired properties

 Verify different parts with different techniques, then stitch

 Adopt those abstractions for the Vigor library API and contracts

Support incremental specs

 Exclude irrelevant code and verify the rest

How Vigor leverages them:

Observations:

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Outline

Push-button

Pay-as-you-go

Usage scenario

Full-stack

Evaluation [Practical | No performance overhead]

vigor.epfl.ch