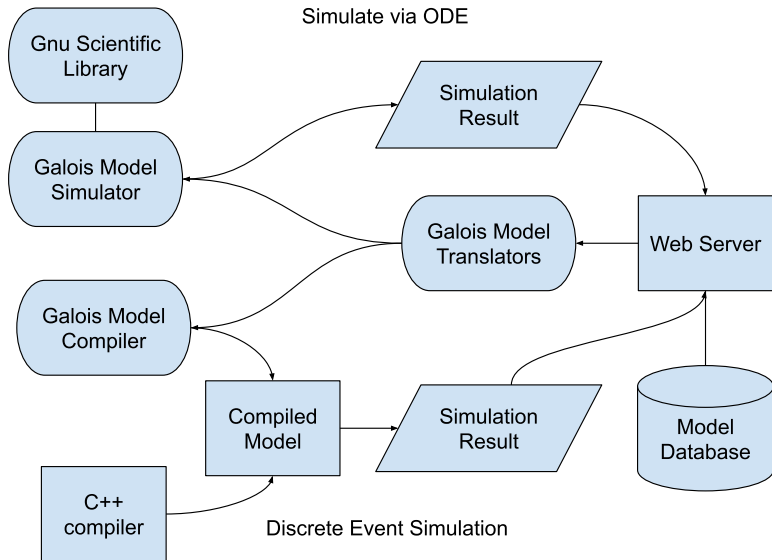


Architecture



Components and Functionality

- ▶ Support for multiple model representations
- ▶ Translation between model representations
- ▶ Simulation via ODE
- ▶ Generation of experiment specific discrete event simulators
- ▶ Model parameter fitting via ODE
- ▶ Comparing models with raw data
- ▶ Model storage
- ▶ Available through a web service

<https://galoisinc.github.io/ASKE-E/donu.html>

Model Formats

- ▶ Easel
- ▶ Reaction networks
- ▶ Differential equations
- ▶ APRAM
- ▶ Gromet
- ▶ LaTeX
- ▶ Raw data

High Level Tasks

- ▶ Gromet support
- ▶ Specify custom simulation scenarios (measures etc)
- ▶ More translations between representations
- ▶ Improvements to model storage system
- ▶ Ways to search for models
- ▶ Add API for model fitting
- ▶ Add API for comparing models and data