Vistle Part II

Hands-On Workshop for 3D Visualization

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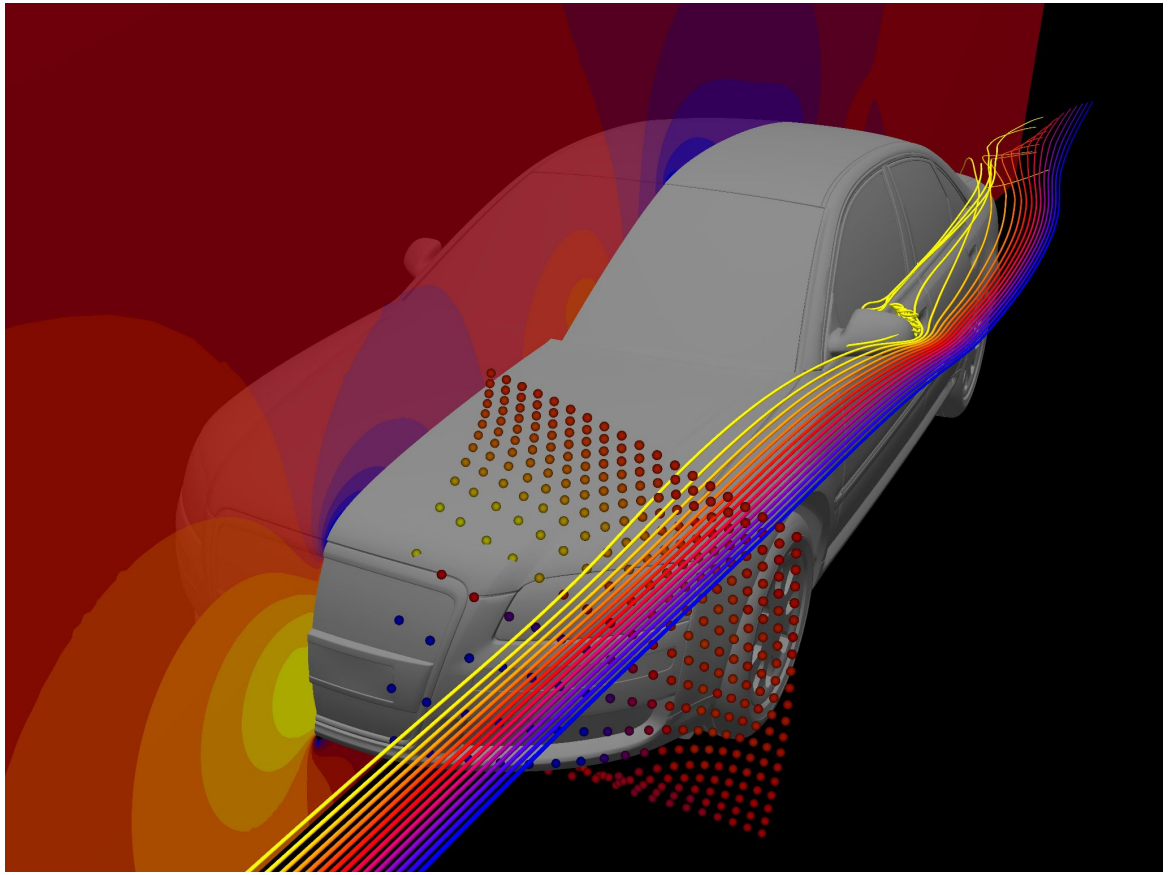
Overview

- Introducing Vistle
- **Live Demo:** Visualizing CFD Data with Vistle
- **Exercise:** Visualizing OpenFOAM Simulation Results

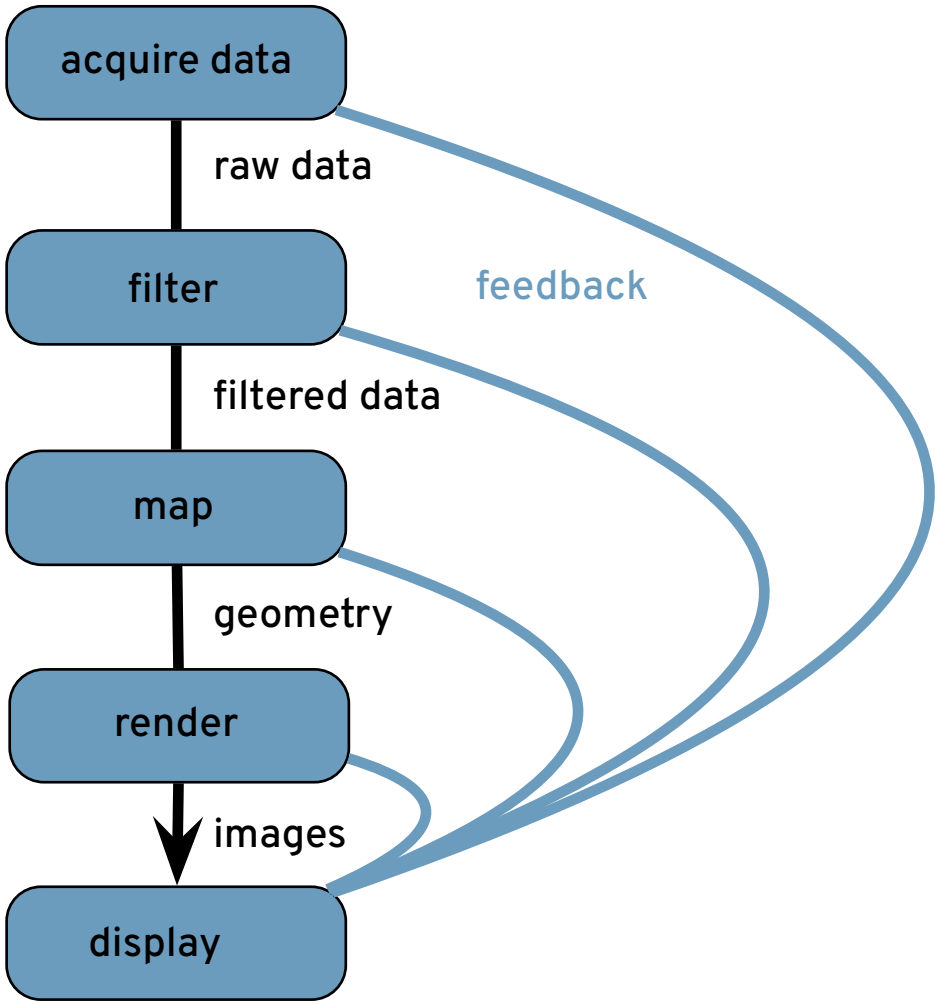
Introducing Vistle

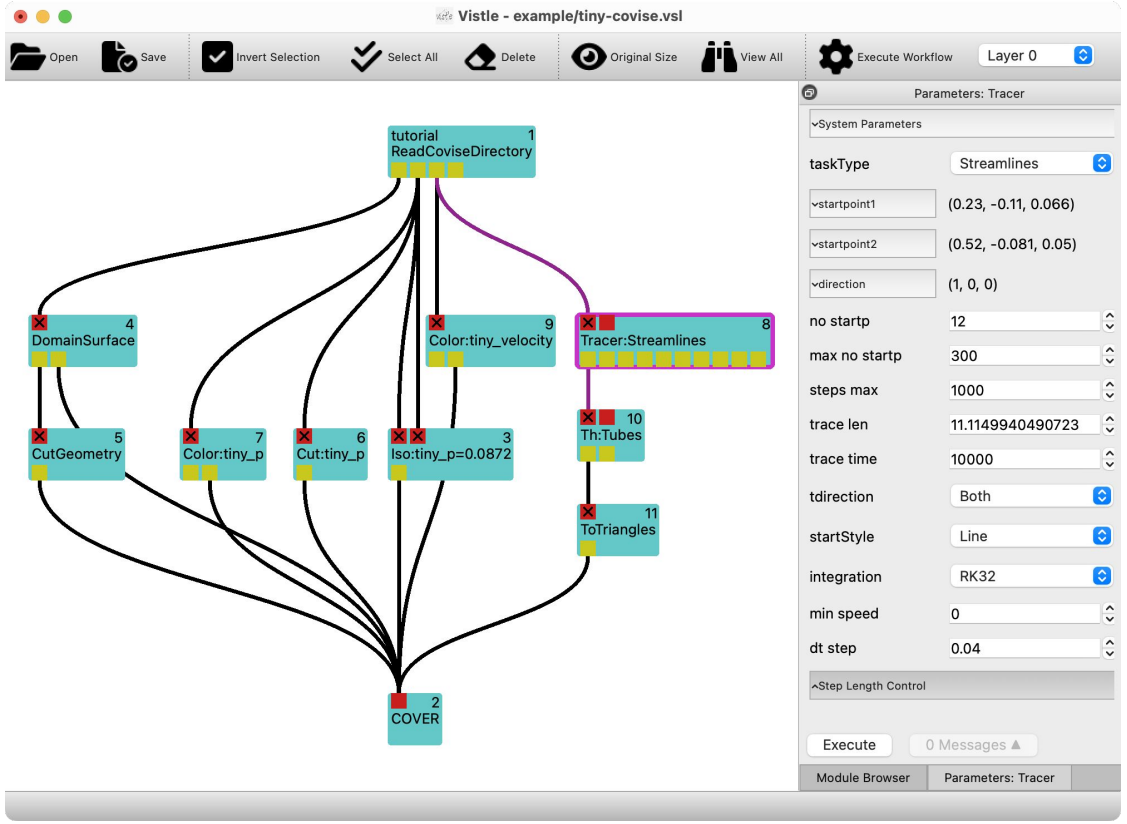
Scientific Visualization: Motivation

- to understand and contextualize abstract data
- to analyze simulated and measured data
- communication tool for interdisciplinary teams
- to present results to the public



Visualization Pipeline





- nodes: modules
- arrows: from output to input ports

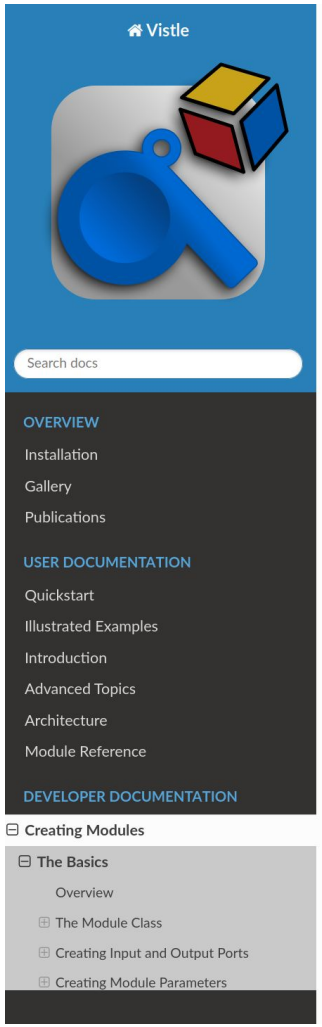
COVER: VR and AR Visualizations

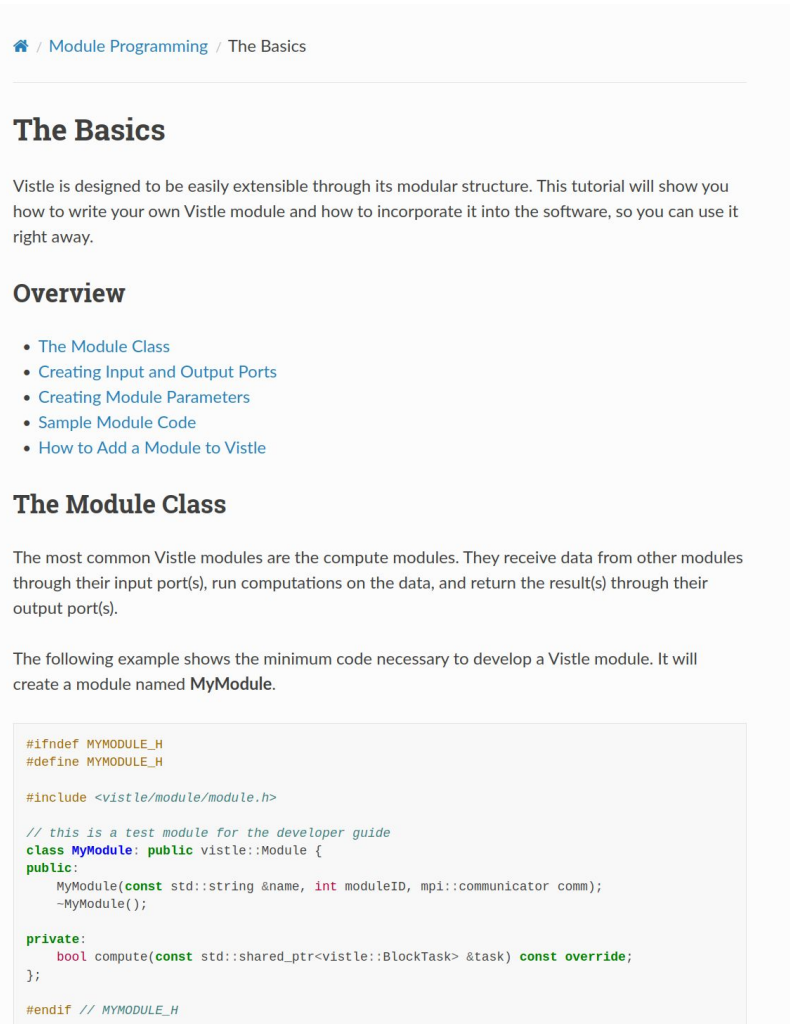
Advanced Features

- writing custom modules
- running modules on the GPU
- In-situ visualization

More Information:

- Documentation: https://vistle.io/
- Webinar recording: "Vistle Part I: An Introduction to Immersive Visualizations of Large-Scale Scientific Data"





Live Demo: Visualizing CFD Data with Vistle

Exercise: Visualizing OpenFOAM Simulation Results

Thank you for participating!

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