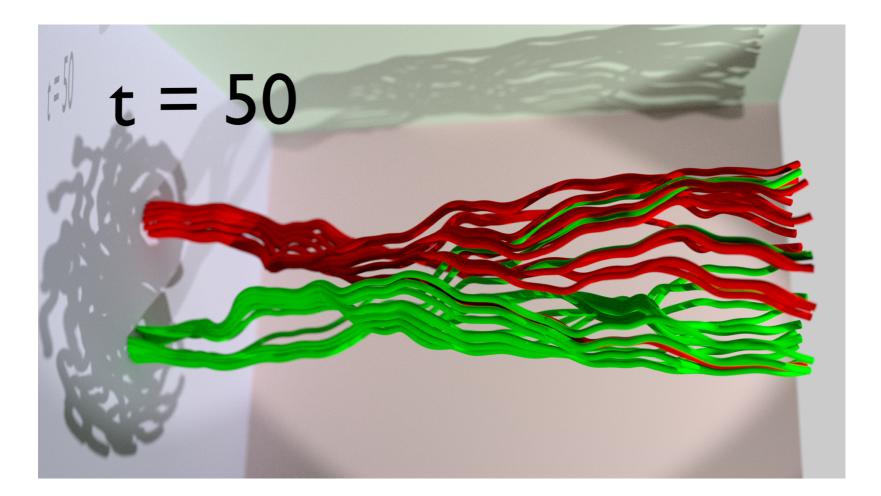
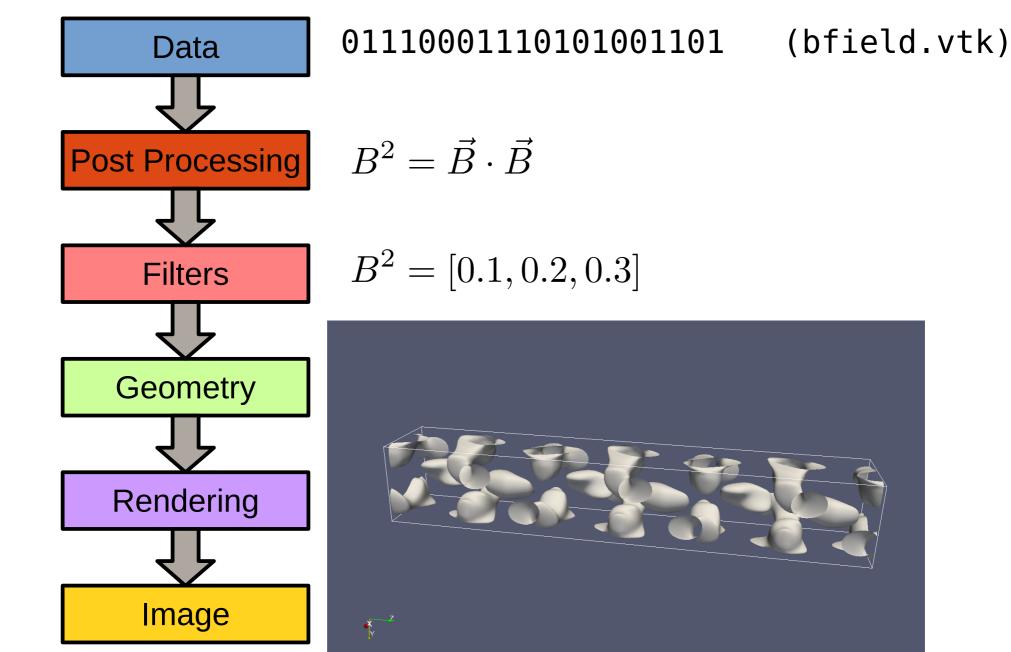


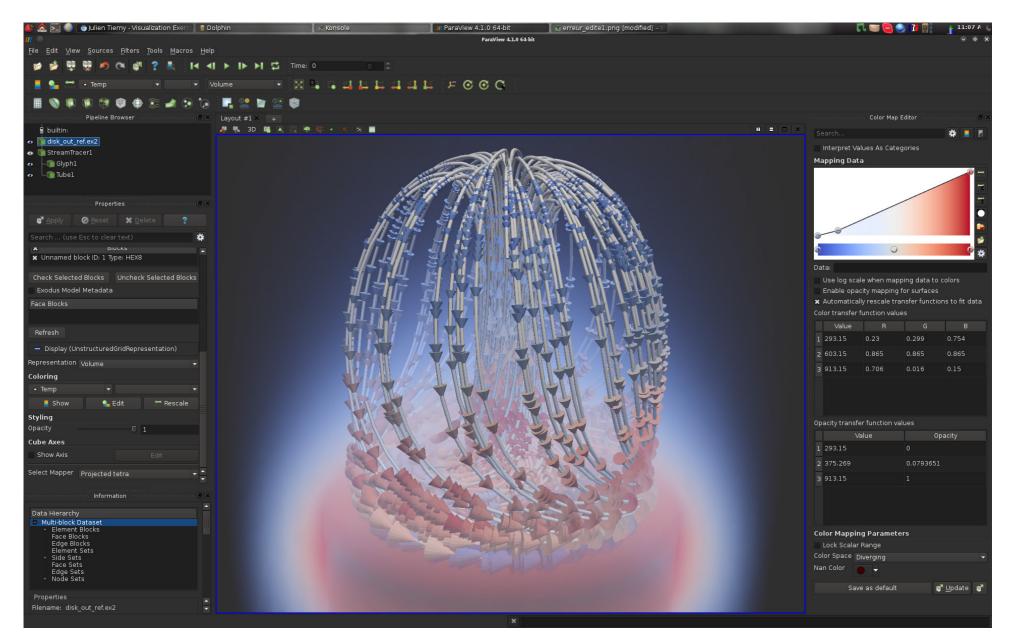
#### **Simon Candelaresi**



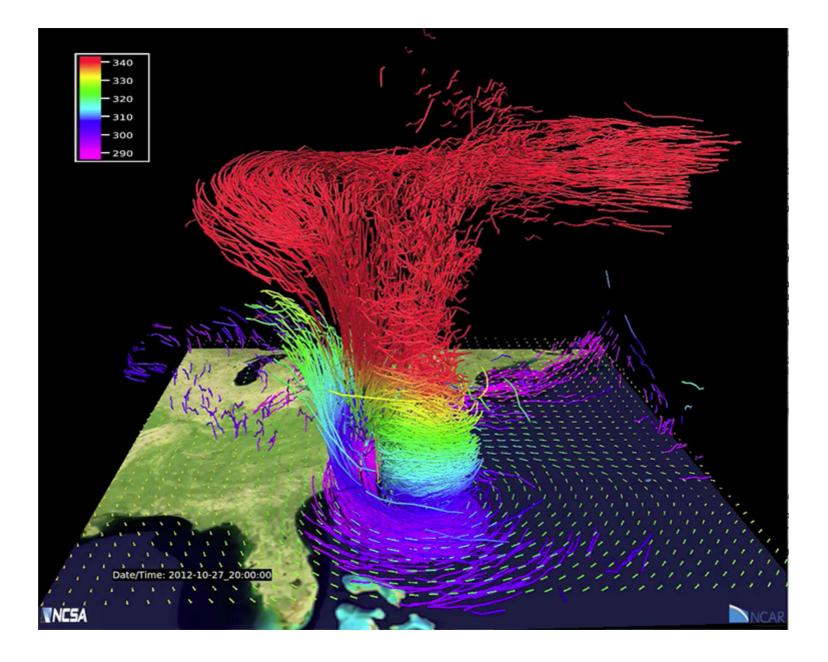
# Data to Image



#### Paraview



## Vapor



## **Pros and Cons**



Read many data formats.



Read geometry data.



Most common filters.



Limited and slow post-processing.



Poor animation options.



Onrealistic look.



> Very limited light/shading options.

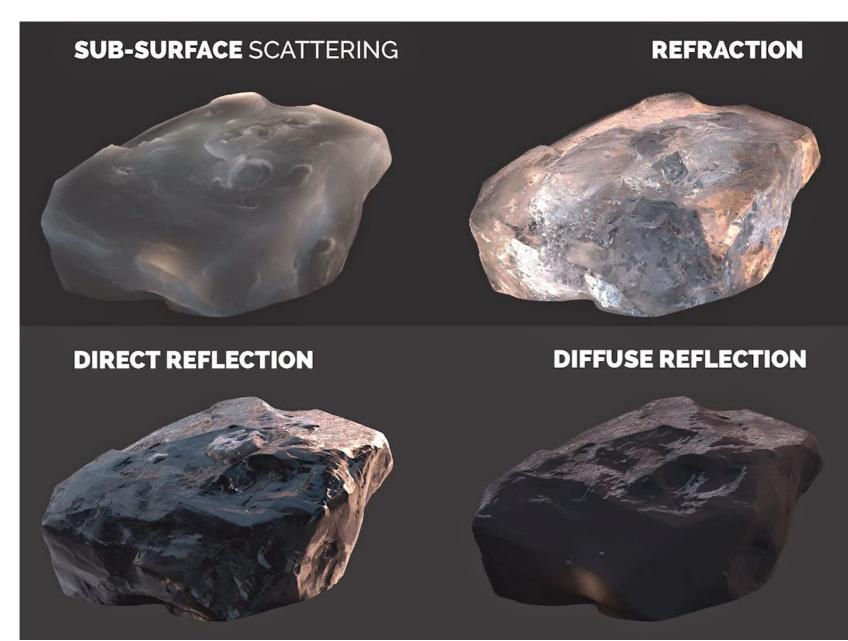
## What Makes a Realistic Look?



# Blender



#### Blender



## Blender



## **Pros and Cons**



Great and realistic graphics.



Realistic shaders, materials and lighting.



Easy and powerful animations.



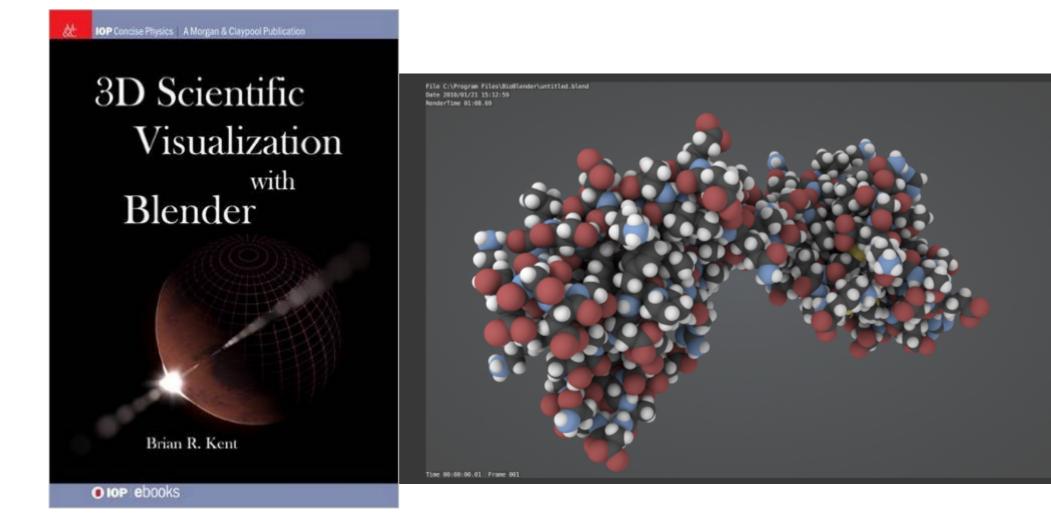
No data import (except geometry and lights and materials).

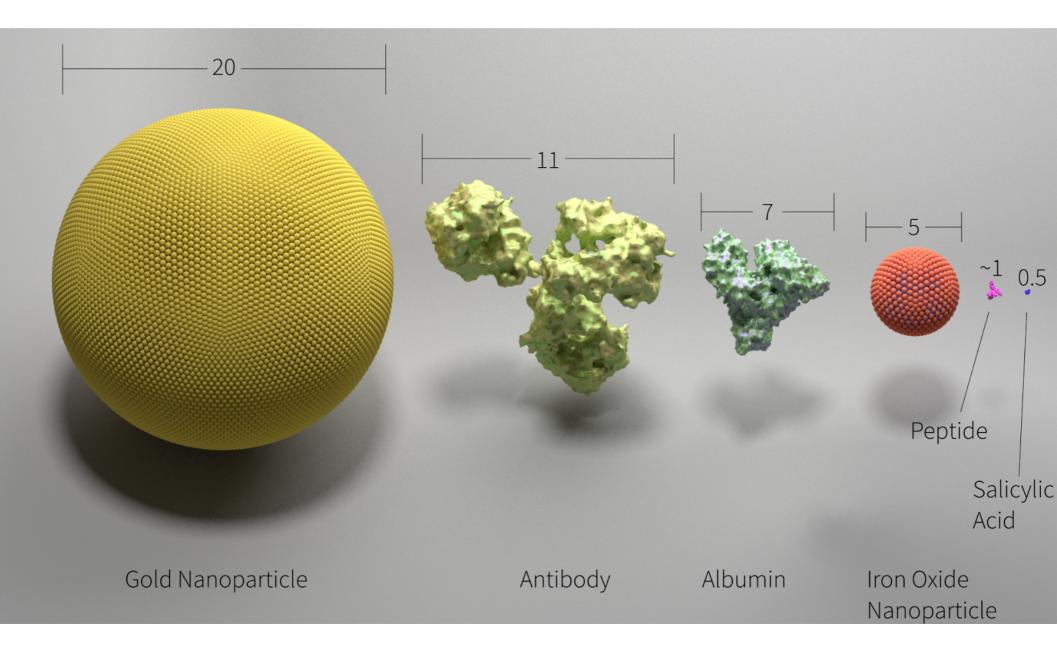


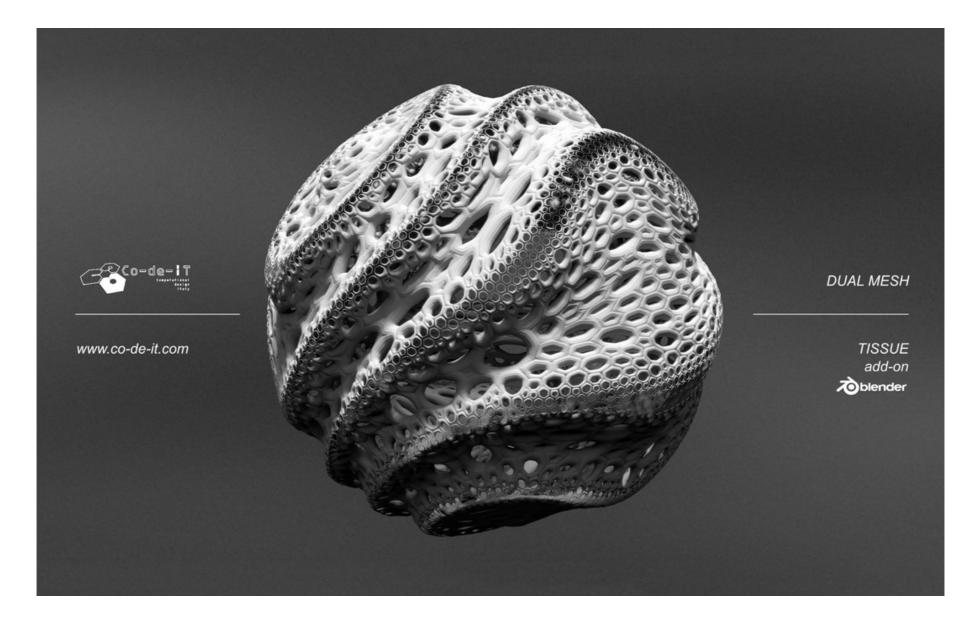
No filters.

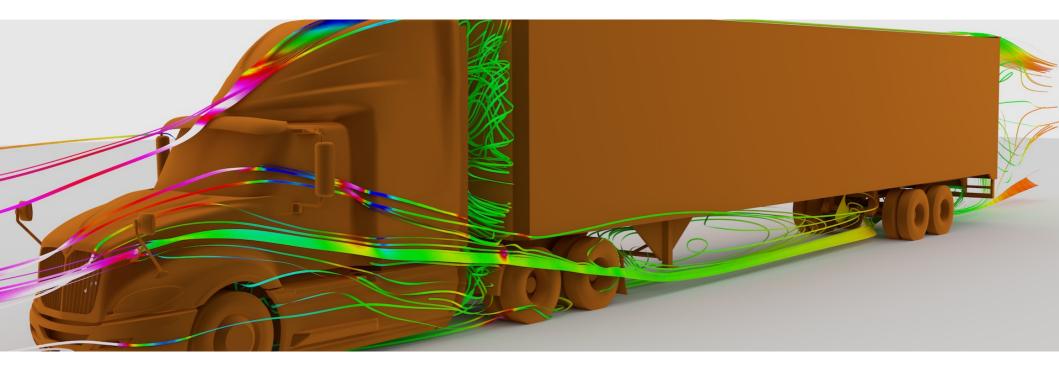


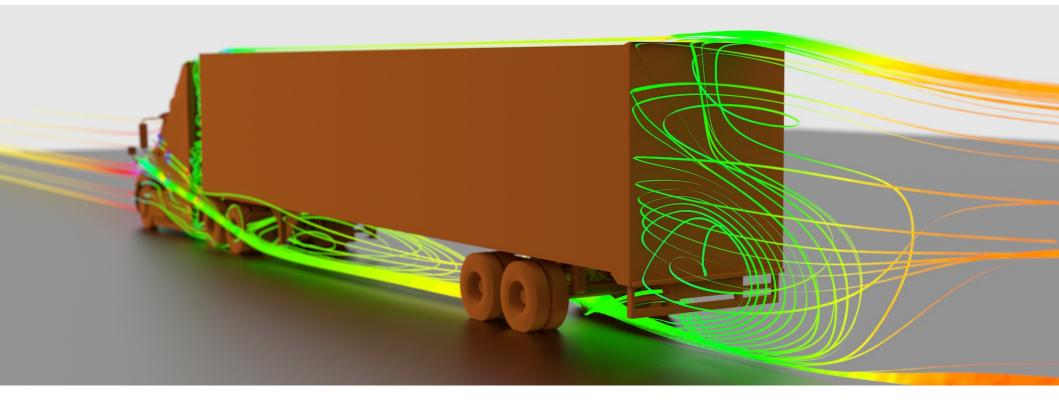
> No postprocessing.

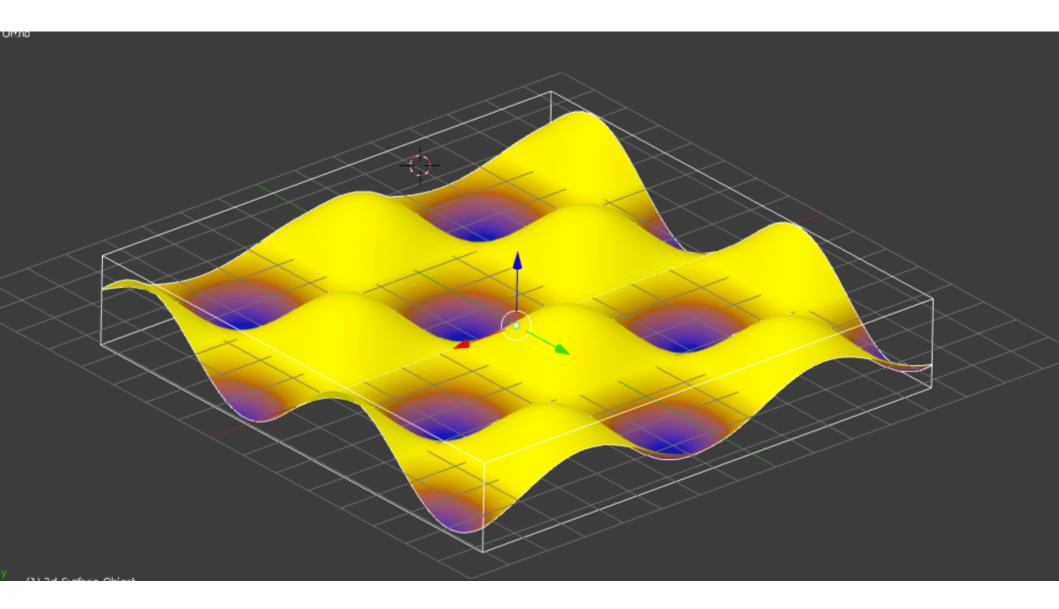


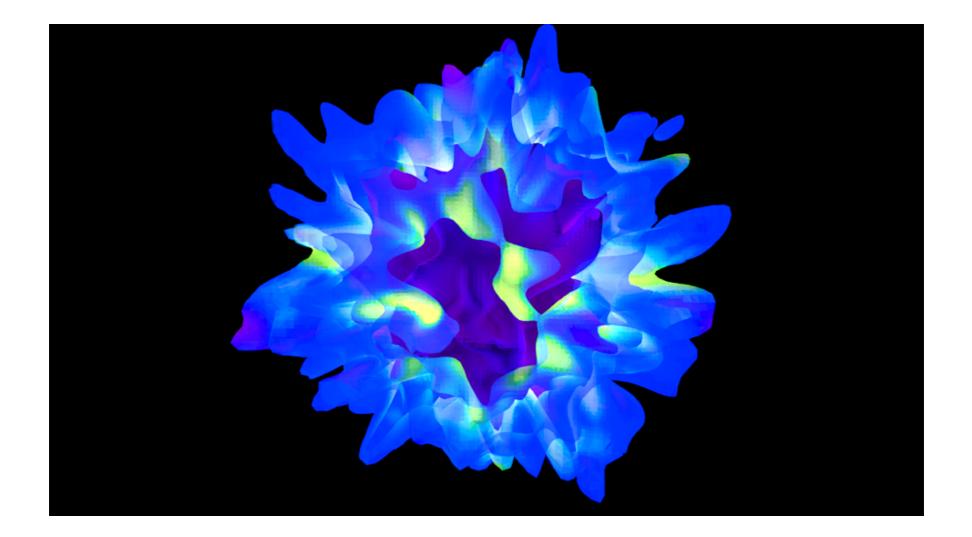


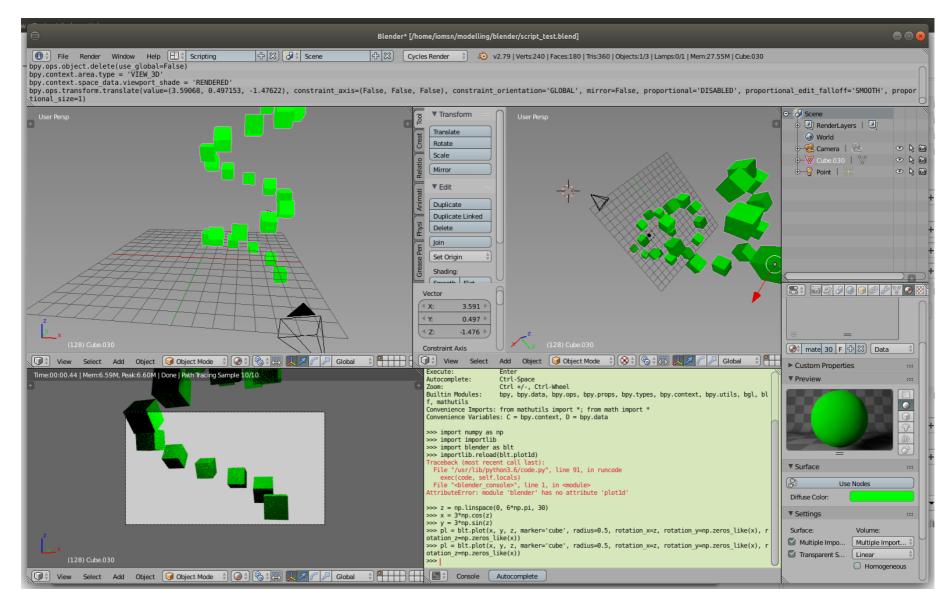




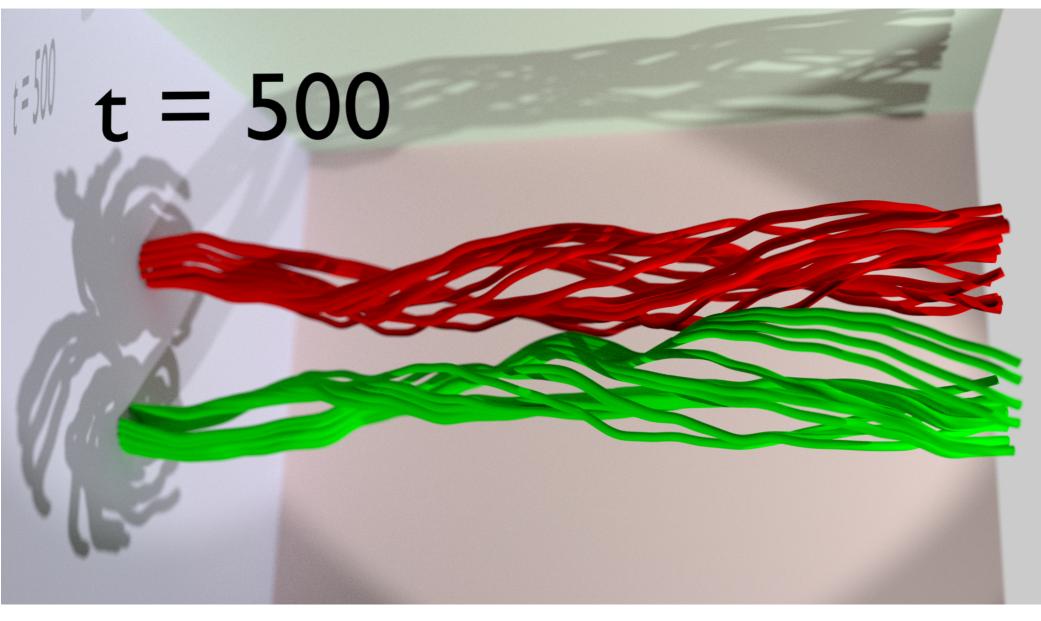








github.com/SimonCan/BlenDaViz



github.com/SimonCan/BlenDaViz



 $\mathbf{X}$  Quick and intuitively to use.



Everything possible through console.



Object oriented.



Group plot geometry into one blender object.

# Outlook

- Axis and bounding boxes.
- Labels and annotations (LaTeX).
- Automatic camera and lights.
- Volume rendering.
- Iso surfaces.
- Streamlines
- Time integration.