

CFD Lab: Final Project

3D Navier Stokes Code for Arbitrary Geometries

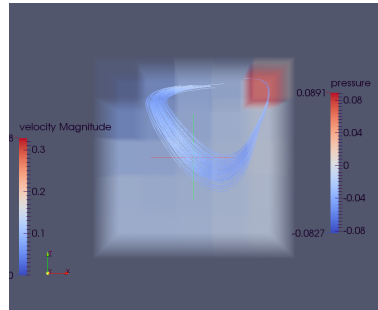
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Project Topic

- something...



Implementation

Theory

	Palabos	OpenLB	LBSim	SailFish	LB3D
Language	C++ (Java, Python)	C++	C++	Python	Fortran90
Visualiz.	ASCII, gif	vtk	OpenGL	numpy, vtk	XDR

Implementation

Problems

blablablabblalalablbablalalabla

Title

Subtitle

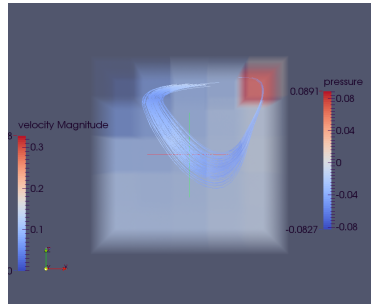
- first
- second
 - second sub 1
 - second sub 2
- own third

Important: Something.

Parameters used for the simulation: alalalalala

Results:

<i>one</i>	5.217 s
<i>two</i>	6.999 s
<i>three</i>	5.522 s



Palabos

- Dam Break (free-surface flows):
<http://www.palabos.org/gallery/multi-phase-free-surface-flow/23-dam-break>
- Volcanic Eruption
<http://www.palabos.org/gallery/incompressible-isothermal-flow/22-volcanic-eruption>
- Rayleigh-Taylor Instability:
<http://www.palabos.org/gallery/incompressible-isothermal-flow/43-rayleigh-taylor-instability>

Conclusion and Further Development

have to do more work obviously :D