

LAKSHMAN ANUMOLU
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ABOUT ME

Hi this is about me

PUBLICATIONS

Lakshman Anumolu, Mario F. Trujillo. Gradient augmented level set method for phase change simulations. *Journal of Computational Physics*, 353:377-406, 2018.

Mario F. Trujillo, **Lakshman Anumolu**, Douglas Ryddner. *Direct Numerical Simulations For Two-Phase Flows With Phase Change*, volume 3 of *Encyclopedia of Two-Phase Heat Transfer and Flow*. World Scientific, 2018.

Mario F. Trujillo, **Lakshman Anumolu**, Douglas Ryddner. The distortion of the level set gradient under advection. *Journal of Computational Physics*, 334:81-101, 2017.

Steven R. Lewis, **Lakshman Anumolu**, Mario F. Trujillo. Numerical Simulation of Droplet Train and Free Surface Jet Impingement. *International Journal of Heat and Fluid Flow*, 44:610-623, 2013.

Lakshman Anumolu, Mario F. Trujillo. Gradient Augmented Reinitialization Scheme for the Level Set Method. *International Journal of Numerical Methods in Fluids*, 73(12):1011-1041, 2013.

Suraj S. Deshpande, **Lakshman Anumolu**, Mario F. Trujillo. Evaluating the performance of the two-phase flow solver interFoam. *Computational Science & Discovery*, 5:014016: 1-36, 2012.

Lakshman Anumolu. *Local, Higher Order Accurate, Level Set Redistancing Methods*. Masters thesis, Madison WI, 2011.

PROJECTS

Framework to Photorealistic Render Computational Fluid Dynamics Results

Lakshman Anumolu

2020 - present

- Scene templates to process CFD results photorealistically

MeshIO

with [Pradeep Garigipati](//pradeepgarigipati.com)

2015 - present

- Read and write STL file format

Basic Model Viewer

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2014 - present

- Visualizes 3D surface mesh

Weak Formulation of Gradient Augmented Level Set Method to Stephan Type Problems

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2012 - 2012

- 3D Crystal growth simulated using PhysBAM

Simulation of Smoke in OpenFOAM Framework

with [Imaduddin Ahmed](https://multiphaseflow.erc.wisc.edu/people/)

2012 - 2012

- Smoke simulation using OpenFOAM

Screensaver using ModernGL

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2013 - 2013

- Screensaver in ModernGL

Desktop, web apps, games built while learning app development
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2013 - 2014

- Facebook friend sentiment analysis
- Facebook speech-to-text enabled chat
- Air hockey