

# Applied Computational Fluid Dynamics using OpenFOAM

Mr. Kishore Rangarajan

**KCT**

*Mon & Thu : 5 PM to 7 PM*

Dr. Lakshman Anumolu

Dr. Kumaresh Selvakumar

Mr. Shyam Sundar J (TA)

**ExaSlate**

Course co-ordinators

- Mr. Blesscin
- Mr. Dhanush

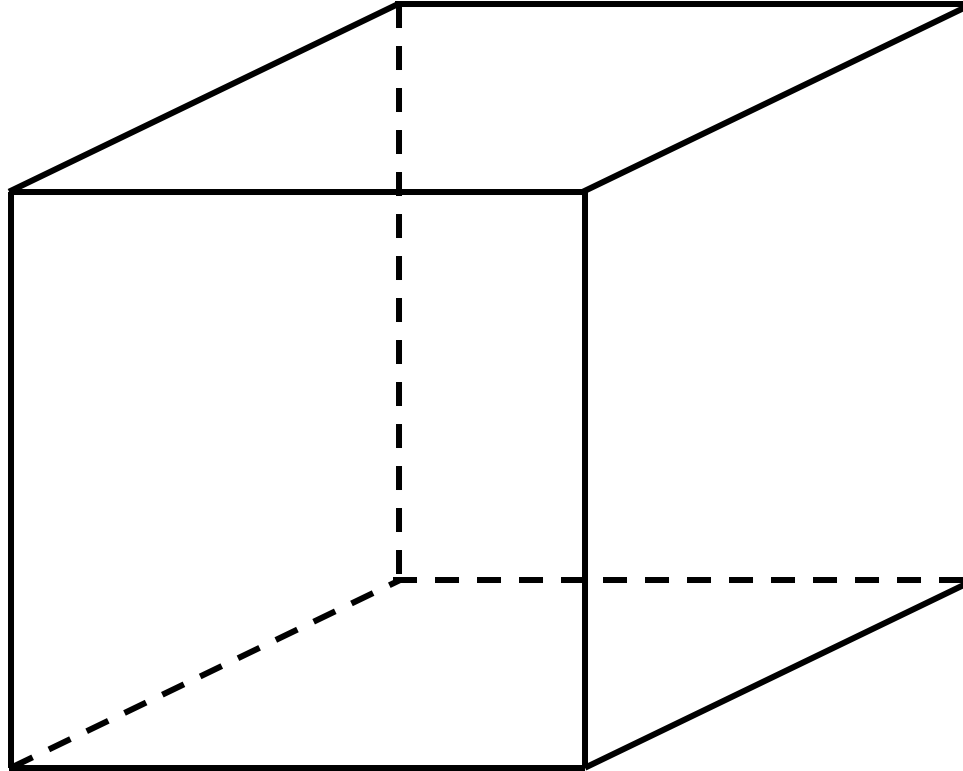
# Overview

- Introductory Mesh Generation in OpenFOAM
- Simulate lid driven cavity problem

# Introductory Mesh Generation in OpenFOAM

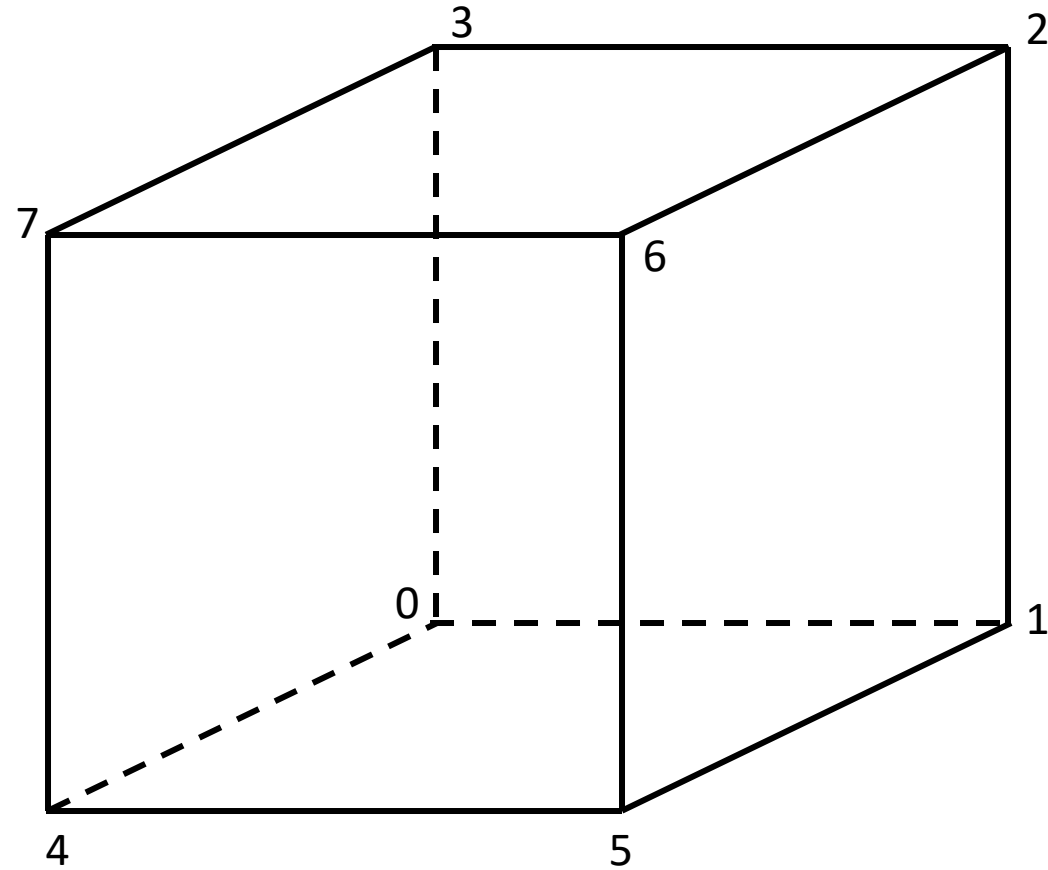
# Introductory Mesh Generation

- blockMesh



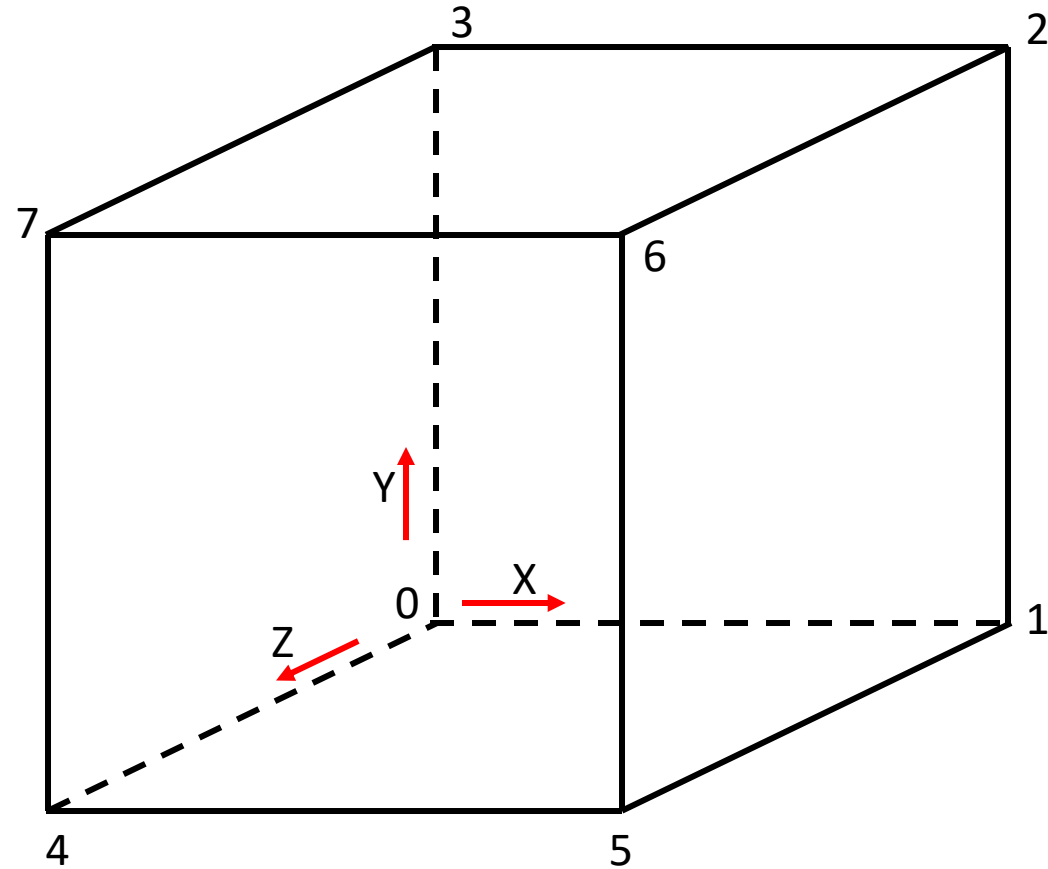
# Introductory Mesh Generation

- blockMesh



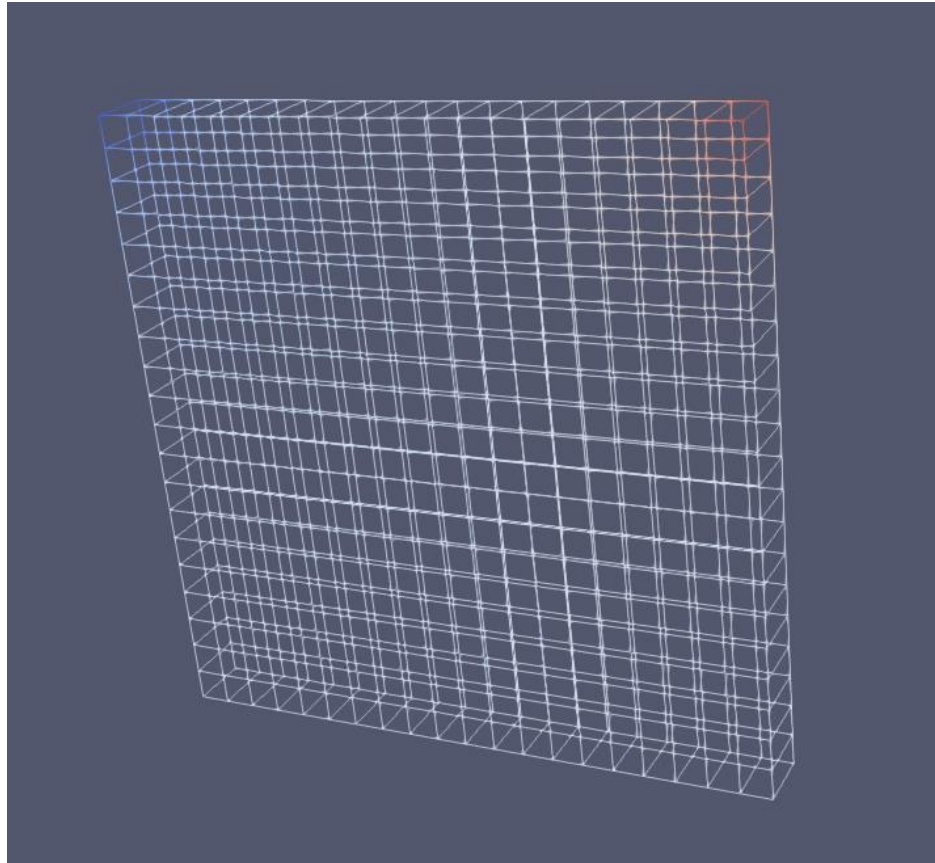
# Introductory Mesh Generation

- blockMesh



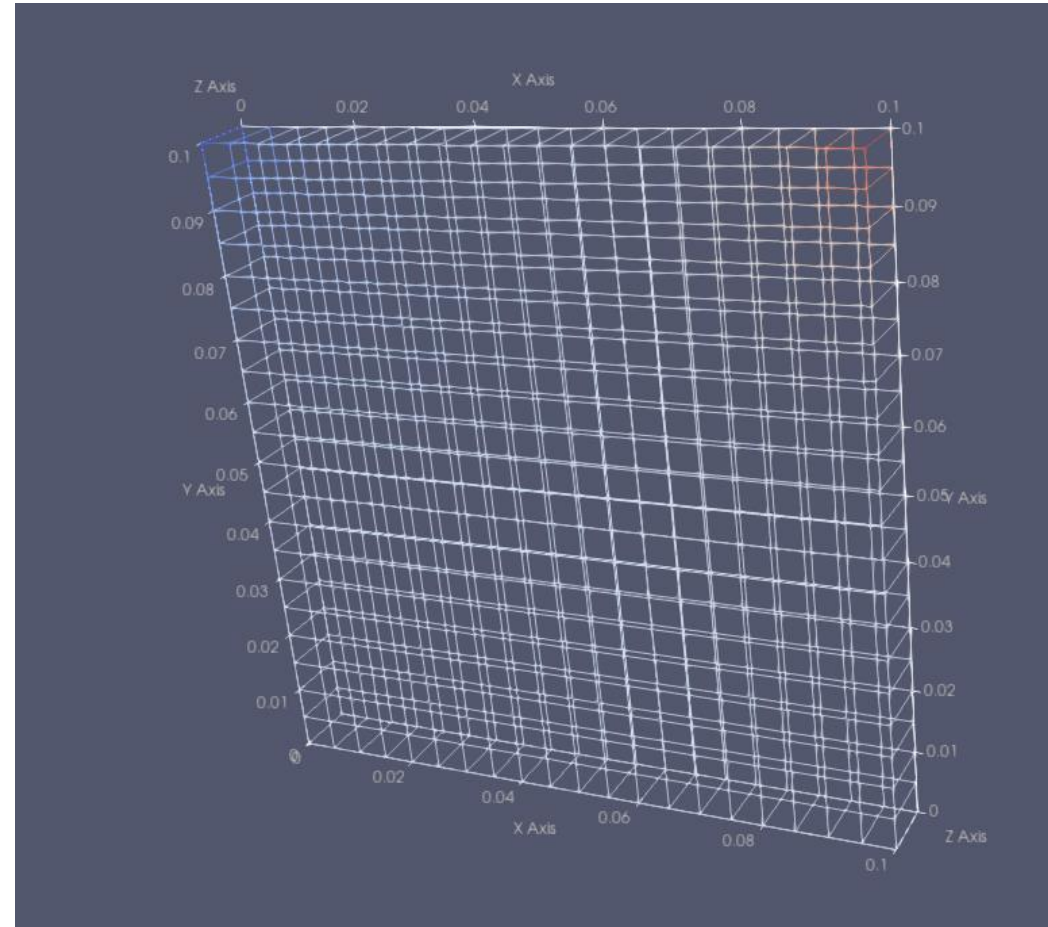
# Introductory Mesh Generation

- blockMesh



# Introductory Mesh Generation

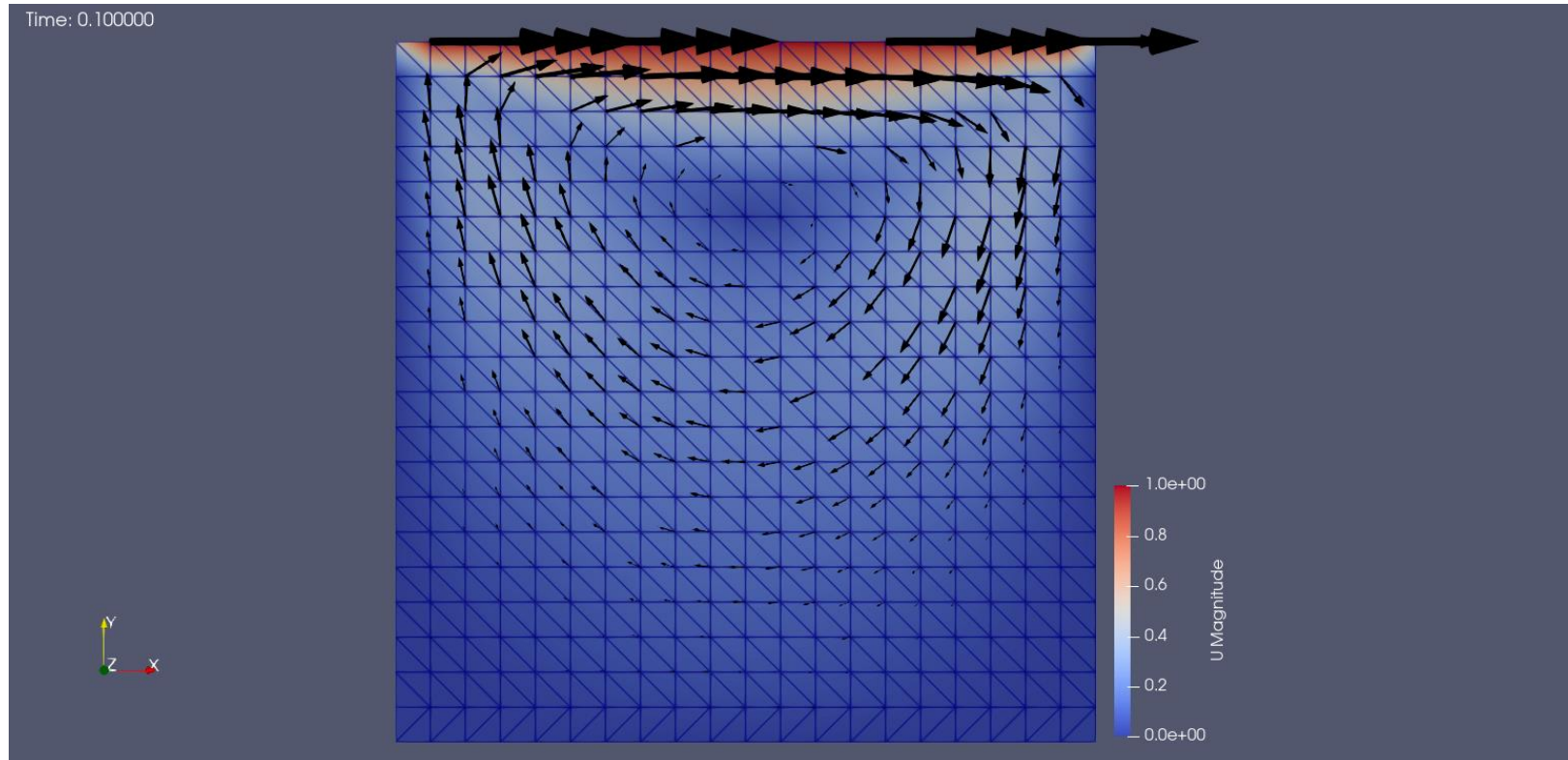
- blockMesh





# Lid Driven Cavity

# Case #4: Lid Driven Cavity



# Exercise-5

- <https://github.com/exaslate-learn/applied-cfd-using-openfoam-kct-fall2024/discussions/6>