Introduction to Computational Fluid Dynamics using OpenFOAM and Octave

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(Session-12)

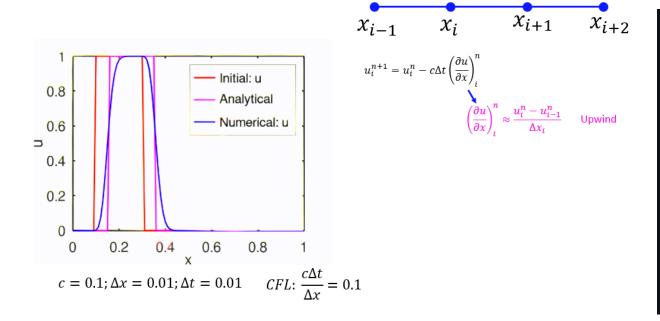
Instructions: Wed, Fri (4:30-5:30PM IST), Sat (4PM-5PM IST)

Query sessions: Sundays 9:00AM-9:30AM IST

Quick Recap

What Did We Discuss?

Numerical Solution to Convection Equation



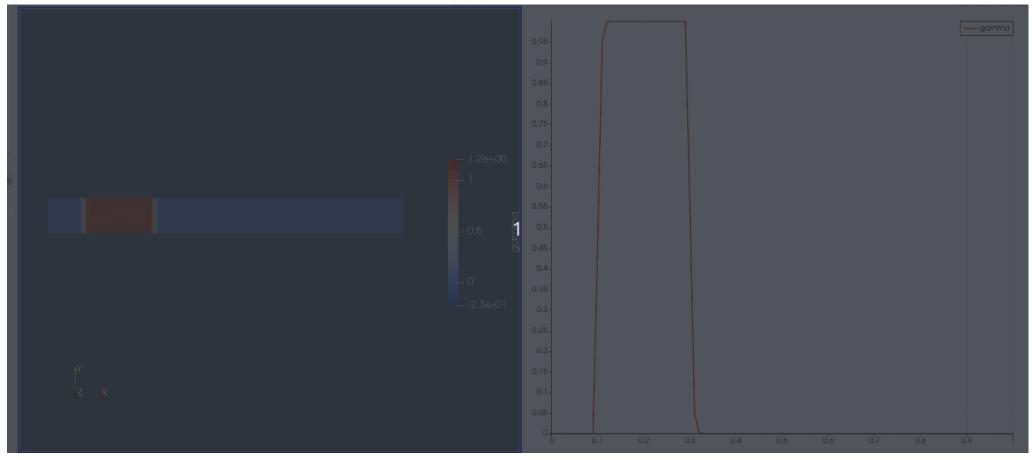
Current Session

Overview

- OpenFOAM: Numerical Solution to convection Equation
- Introduction to C++ for OpenFOAM (contd.)

Numerical Solution to Convection Equation

 $\frac{\partial u}{\partial t} + c \frac{\partial u}{\partial x} = 0$



Introduction to C++ for OpenFOAM

a12_roc.cpp

Next Session

- Finite volume method to solve convection-diffusion equation in OpenFOAM
- Introduction to C++ for OpenFOAM (Contd.)

Thank you