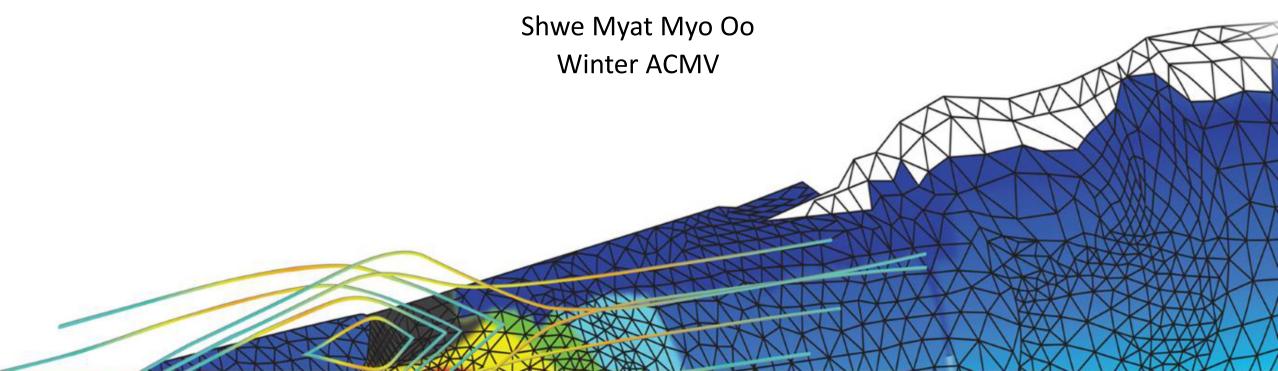
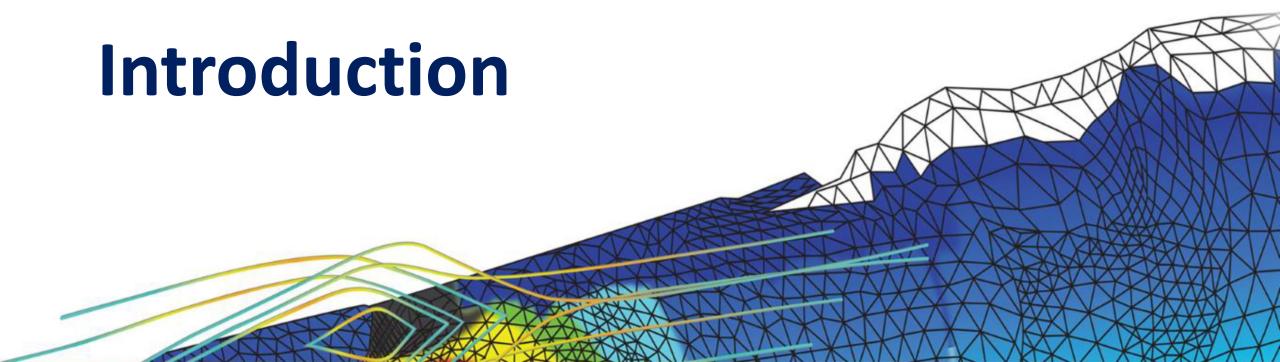


Introduction to CFD (Computational Fluid Dynamics): Simulation of Ventilation for Gamonepwint Market









SPEAKER BACKGROUND

2012-2016

2017-2019

2019-2021









Northeastern University

Bachelor of Science in Mechanical Engineering (B.S.M.E)

Lead Engineer, Technical Development Division

Master of Science in Energy Systems (MS-ES)

Certificate in Entrepreneurship



The American Society of Mechanical Engineers Founded 1880

This Certificate is Awarded to

Shwe Myat Myo Oo

For Successful Completion of
Introduction to Computational Fluid Dynamics

Date Completed: 3/11/2018
2.30 Continuing Education Units



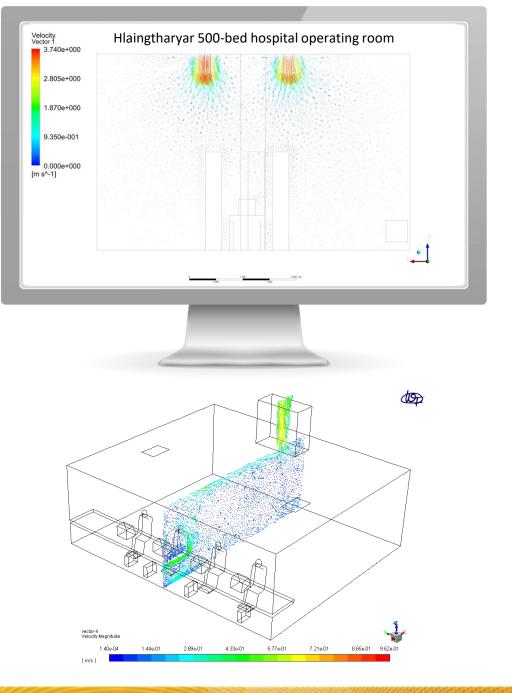


Arin Ceglia
Director, Learning & Developme

ASME Training & Development is accredited by the International Association for Continuing Education and Training (IACET) and is authorized to issue the IACET CEU.

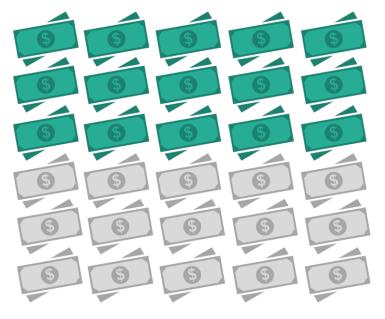
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ASME Two Park Avenue, New York, New York 10016





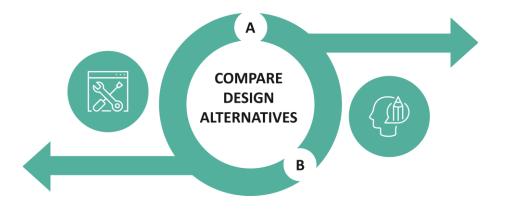
WHY CFD?



COST SAVINGS



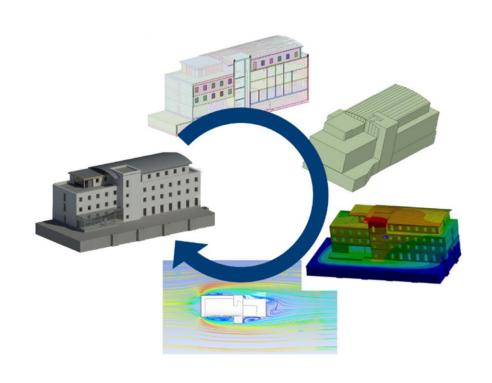
BROAD APPLICABILITY



DESIGN COMPARISON

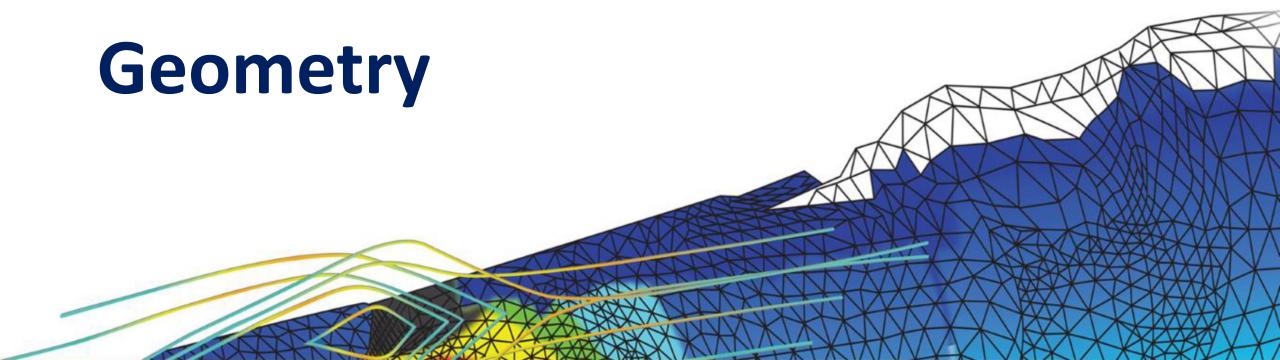


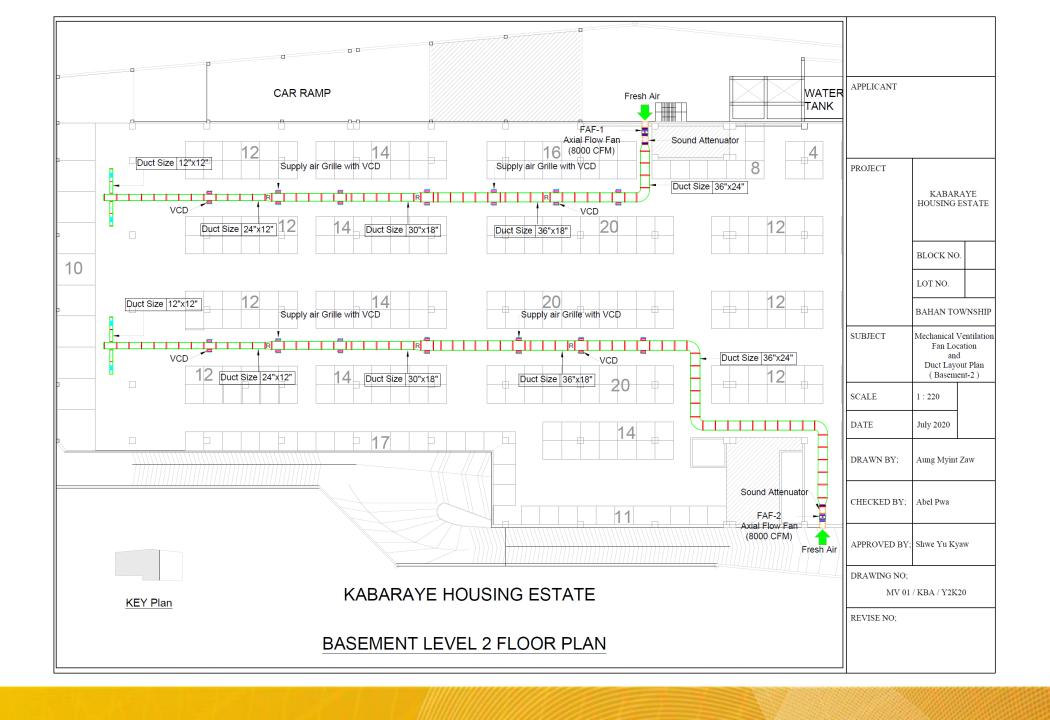
CFD For Buildings



- External aerodynamics (wind load)
- Thermal comfort, ventilation analysis
- Airflow optimization
- Special applications (data center cooling, hospital operating rooms, etc)

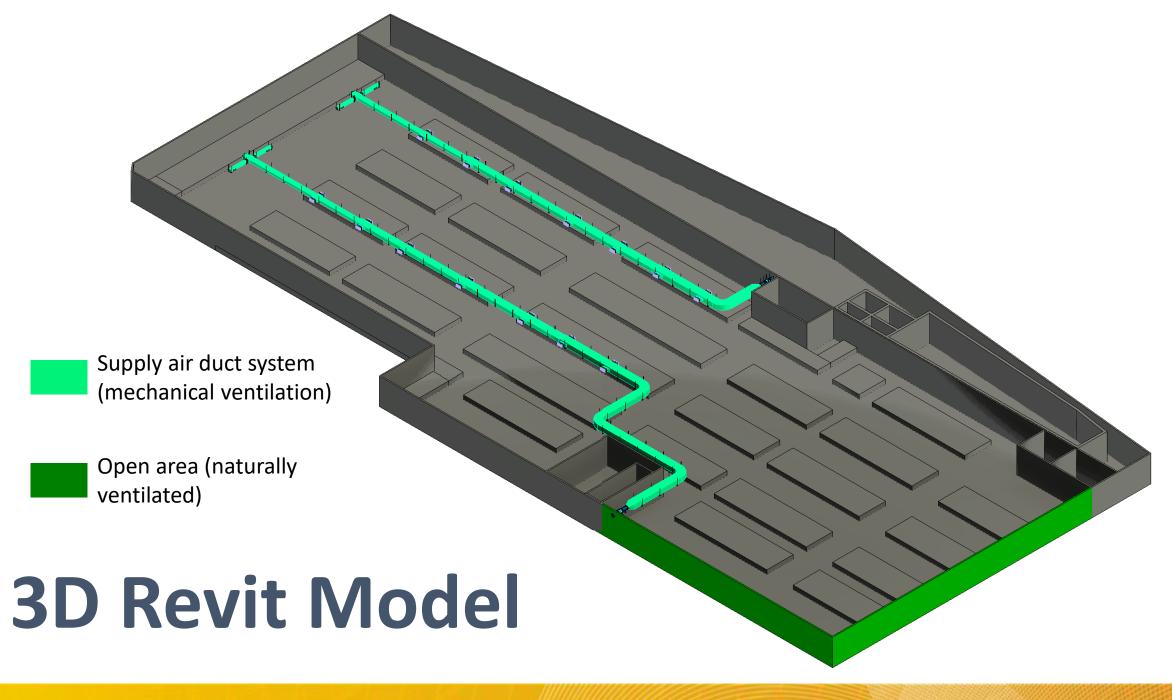




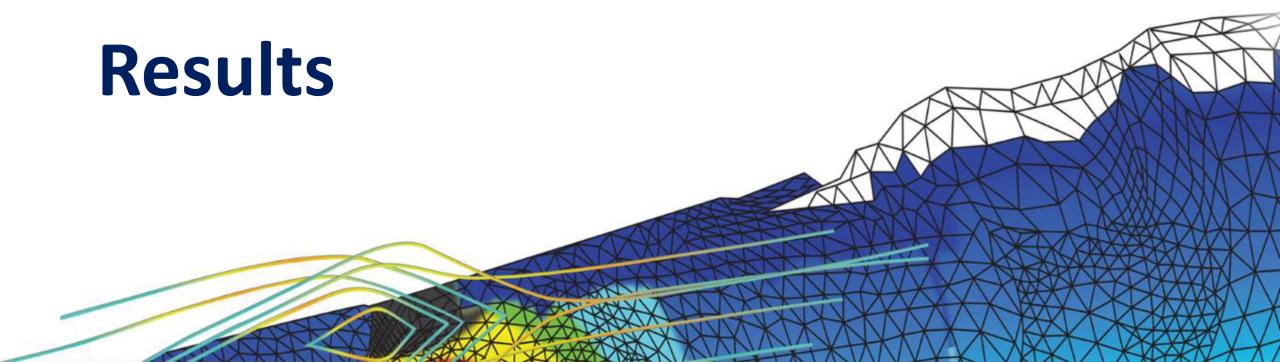




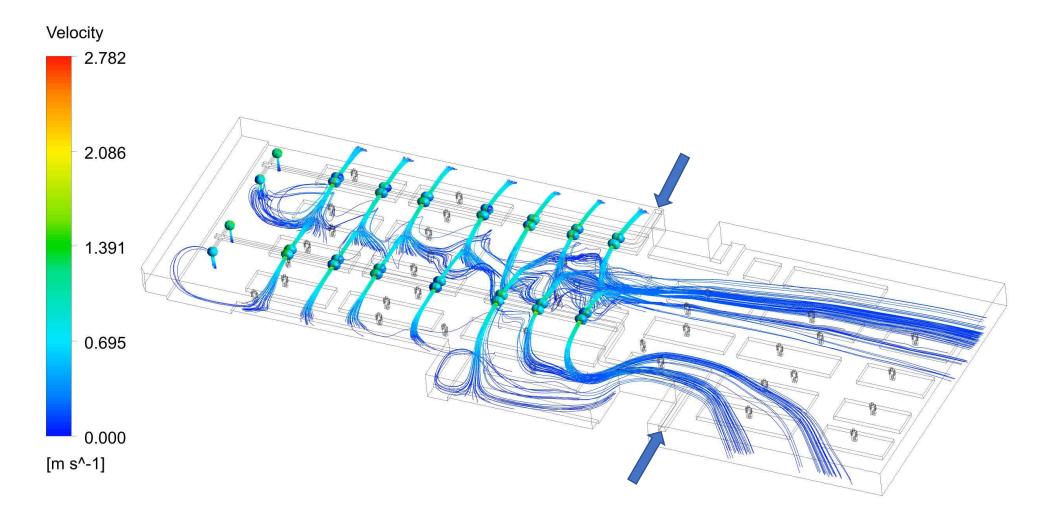






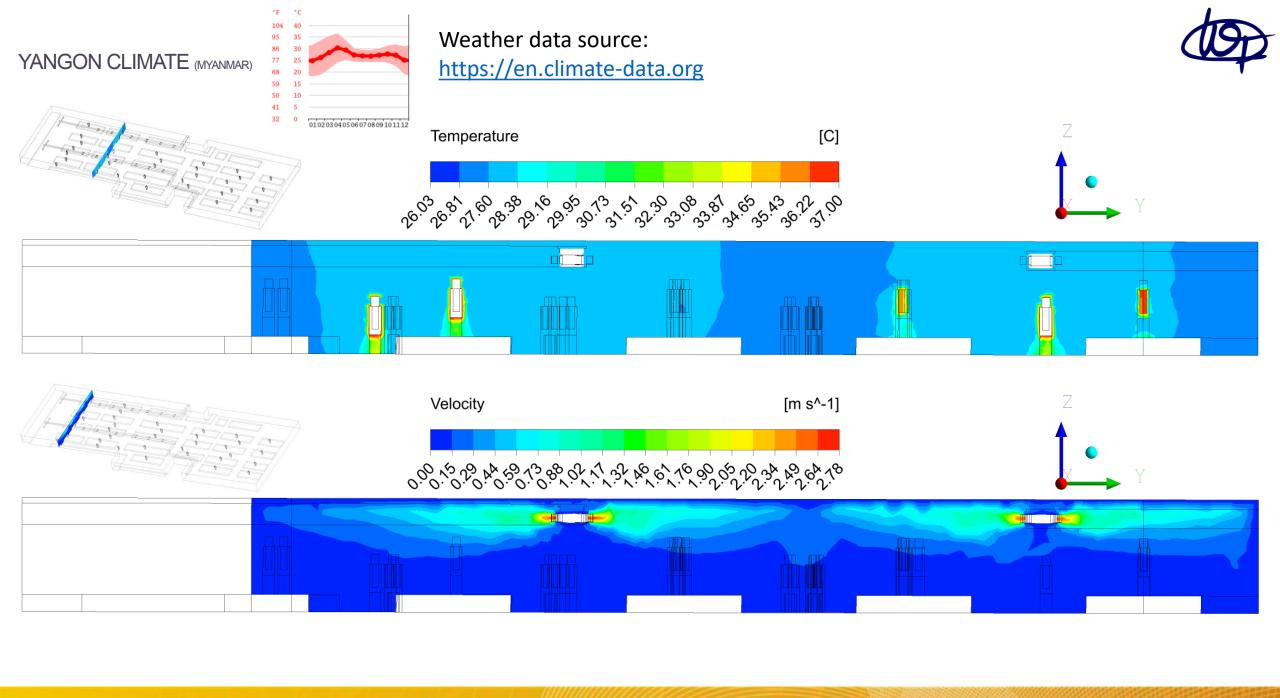


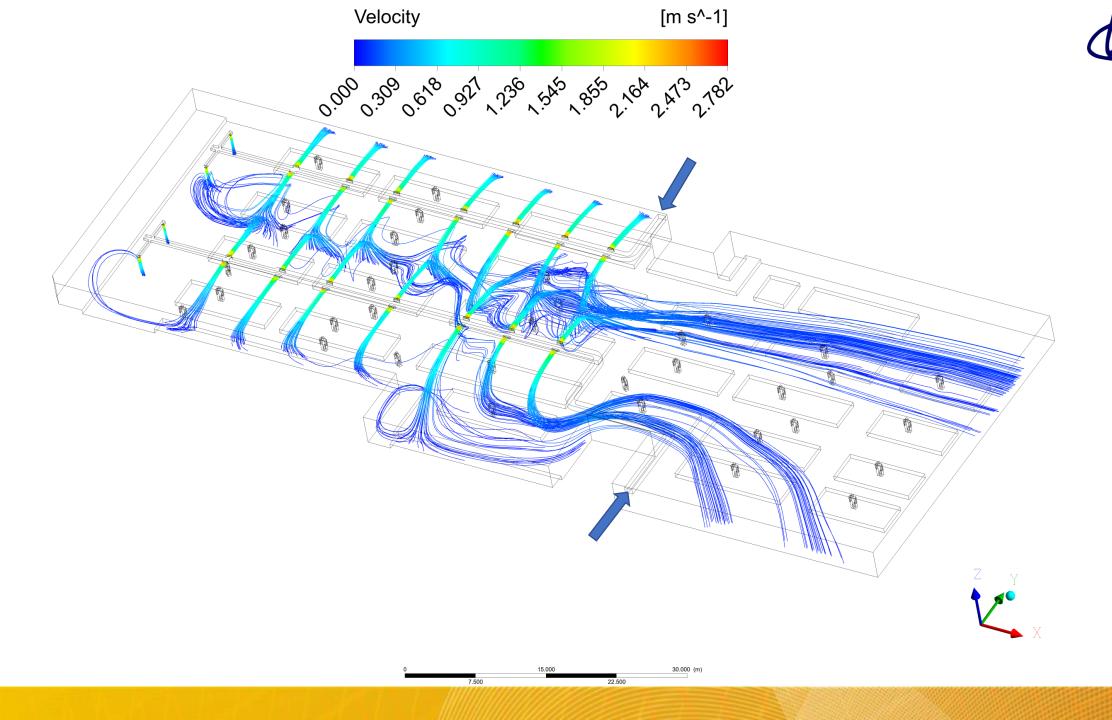




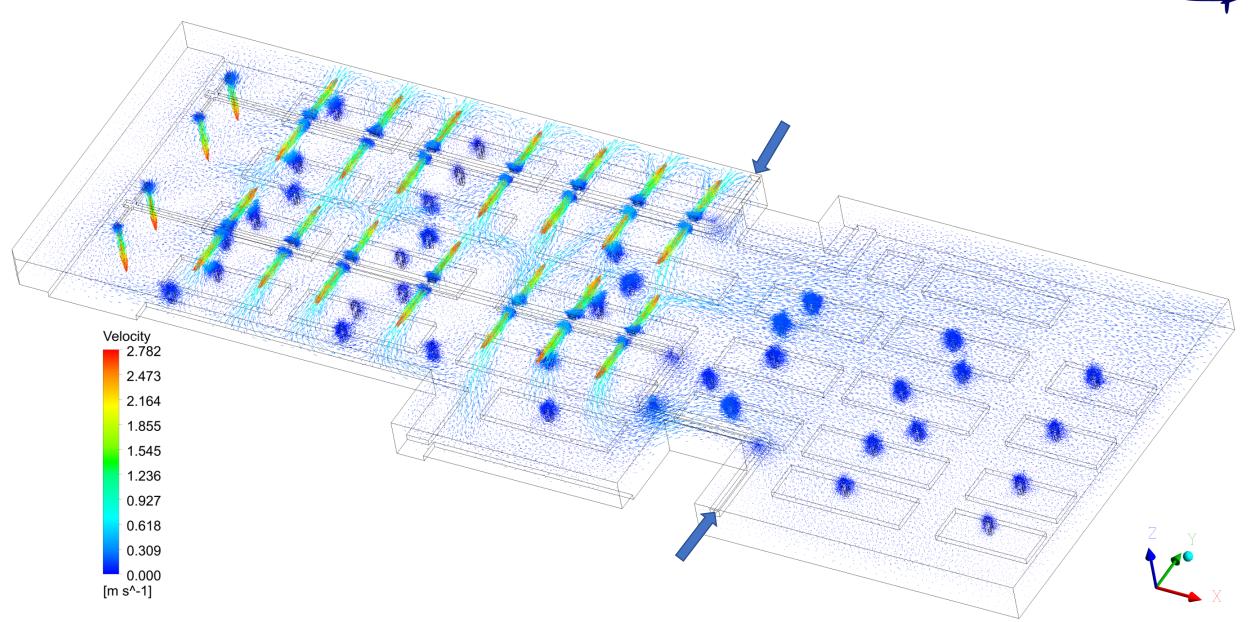


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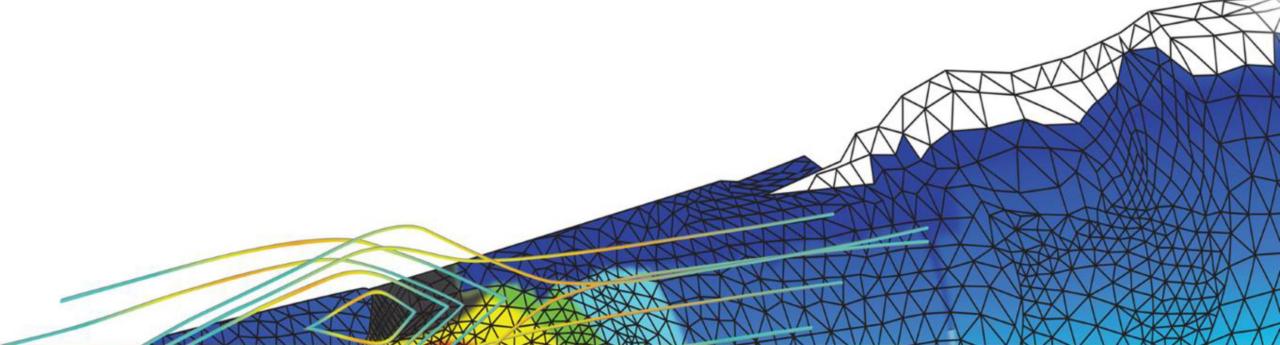




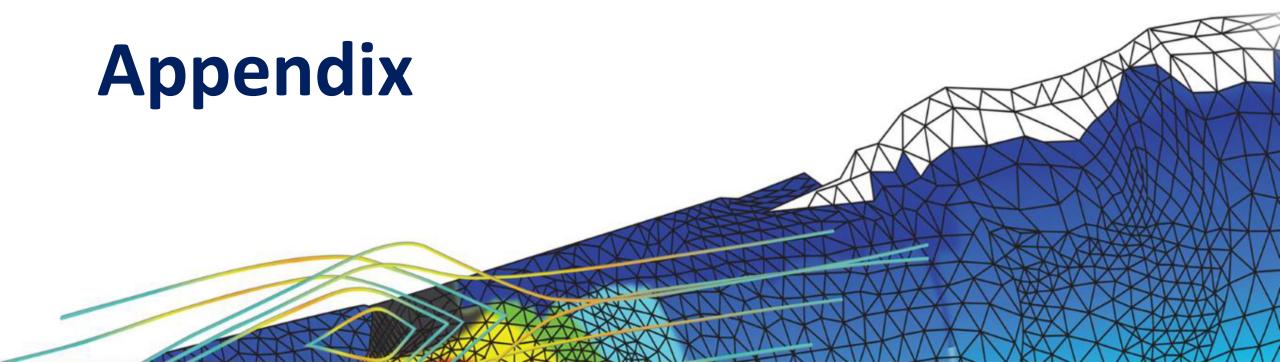




Thank You







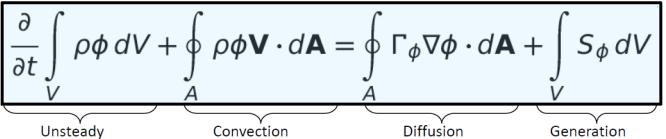


WHAT IS CFD?

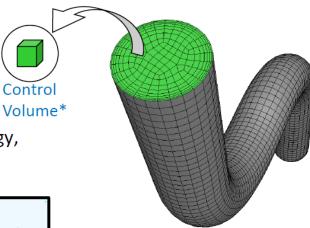
How Does CFD Work?

ANSYS CFD solvers are based on the finite volume method

- Domain is discretized into a finite set of control volumes
- General conservation (transport) equations for mass, momentum, energy, species, etc. are solved on this set of control volumes



- Partial differential equations are discretized into a system of algebraic equations
- All algebraic equations are then solved numerically to render the solution field



<u>Equation</u>	Φ
Continuity	1
X momentum	и
Y momentum	V
Z momentum	W
Energy	h



CFD IS MULTIDISCIPLINARY

